

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ☒ ELECTRIC LOGS ☒ WATER SANDS ☒ LOCATION INSPECTED ☒ SUB. REPORT/abd. ☒

DATE FILED FEBRUARY 2, 1998

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

UTU-72107

INDIAN

DRILLING APPROVED: MARCH 11, 1998

SPOUDED IN:

4-21-98

COMPLETED:

6-3-98 POW

PUT TO PRODUCING:

6-3-98

INITIAL PRODUCTION:

0-124 BBL G-132 MCF W-11 BBL

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

4150-5165'

TOTAL DEPTH:

5850'

WELL ELEVATION:

5668' GR

DATE ABANDONED:

FIELD:

MONUMENT BUTTE

UNIT:

COUNTY:

DUCHESNE

WELL NO.

S. WELLS DRAW 11-10-9-16

API NO. 43-013-32045

LOCATION

1806 FSL

FT. FROM (N) (S) LINE.

1896 FWL

FT. FROM (E) (W) LINE.

NE SW

1/4 - 1/4 SEC.

10

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

9S

16E

10

INLAND PRODUCTION

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Garden Gulch	Dakota	Park City	McCracken
" " 2	Burro Canyon	Rico (Goodridge)	Aneth
Point 3	Cedar Mountain	Supai	Simonson Dolomite
N. Mkr	Buckhorn	Wolfcamp	Sevy Dolomite
Y Mkr	JURASSIC	CARBON I FEROUS	North Point
Wacatch	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Belton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

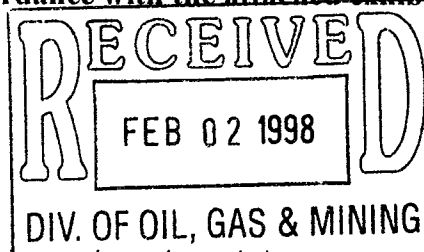
1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-72107</b>
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>Inland Production Company</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079 Phone: (801) 789-1866</b>		8. FARM OR LEASE NAME <b>S. Wells Draw</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface <b>NE/SW</b> At proposed Prod. Zone <b>1806' FSL &amp; 1896' FWL</b> <b>551 578</b>		9. WELL NO. <b>#11-10-9-16</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>16.5 Miles southwest of Myton, UT</b>		10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1795'</b>	16. NO. OF ACRES IN LEASE <b>560</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 10, T9S, R16E</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>6500'</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	12. County <b>Duchesne</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5668.0 GR</b>		13. STATE <b>UT</b>
22. APPROX. DATE WORK WILL START* <b>2nd Quarter 1998</b>		

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

**Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "G".**

**The Conditions of Approval are attached.**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone.

If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. **Regulatory**  
SIGNED *Cheryl Cameron* TITLE **Compliance Specialist** DATE **1/18/98**  
**Cheryl Cameron**

(This space for Federal or State office use)

PERMIT NO. **43-013-32045** APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL IF ANY:

APPROVED BY *John R. Baye* TITLE **Associate Director** DATE **3/11/98**  
**Utah DOGM**

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

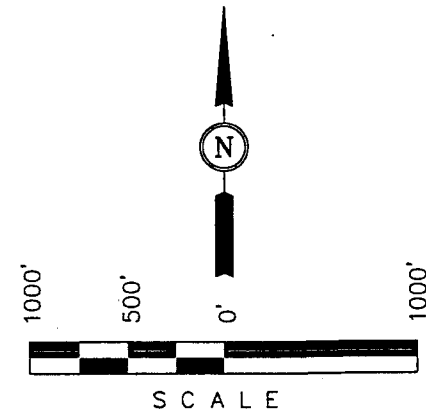
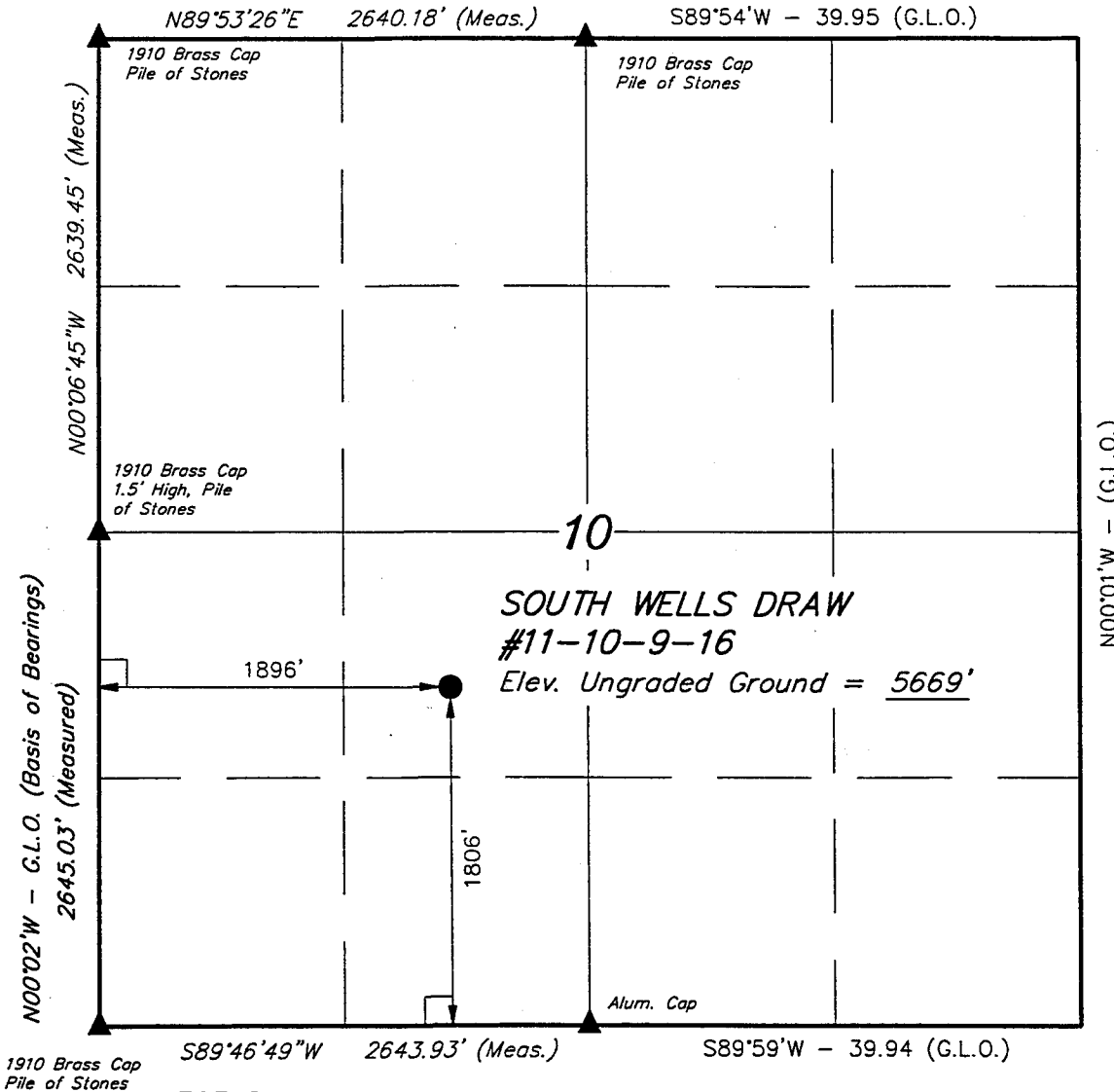
**T9S, R16E, S.L.B.&M.**

**INLAND PRODUCTION CO.**

Well location, SOUTH WELLS DRAW #11-10-9-16, located as shown in the NE 1/4 SW 1/4 of Section 10, T9S, R16E, S.L.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5747 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Key*  
**ROBERT L. KEY**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
**85 SOUTH 200 EAST - VERNAL, UTAH 84078**  
**(435) 789-1017**

**LEGEND:**

- └┐** = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲** = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 01-12-98	DATE DRAWN: 01-13-98
PARTY D.A. K.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	

INLAND PRODUCTION COMPANY  
S. WELLS DRAW #11-10-9-16  
NE/SW SECTION 10, T9S, R16E  
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

**DRILLING PROGRAM**

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 1645'
Green River	1645'
Wasatch	6500'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 1645' – 6500' - Oil

4. **PROPOSED CASING PROGRAM**

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

Please refer to the Monument Butte Field SOP. See Exhibit "F".

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

Please refer to the Monument Butte Field SOP.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Please refer to the Monument Butte Field SOP.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

Please refer to the Monument Butte Field SOP.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

Please refer to the Monument Butte Field SOP.

**INLAND PRODUCTION COMPANY  
S. WELLS DRAW #11-10-9-16  
NE/SW SECTION 10, T9S, R16E  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site S. Wells Draw # 11-10-9-16 located in the NE 1/4 SW 1/4 Section 10, T9S, R16E, S.L.B. 7 M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southerly along this road 6.3 miles  $\pm$  to its junction with a dirt road to the southeast; continue southeasterly 1.6 miles to its junction with a dirt road; continue an additional 2.3 miles to its junction with a dirt road to the southwest; proceed southwesterly 0.9 miles to its junction with a dirt road; continue southwesterly 1.6 miles to its junction with a dirt road to the west; proceed westerly 3.0 miles to the beginning of the proposed access road.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B" for the location of the proposed access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "D".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Please refer to the Monument Butte Field SOP. See Exhibit "C".

**6. SOURCE OF CONSTRUCTION MATERIALS**

Please refer to the Monument Butte Field SOP.

**7. METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP. See Exhibit "E".

**8. ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). Refer to Exhibit "E".

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION *Archaeological Survey & Pipeline ROW*

The Archaeological Cultural Resource Survey Report is attached.

Inland Production Company requests that a pipeline ROW be granted to the S. Wells Draw #11-10-9-16 for a 3" poly fuel gas line, and a 4" poly gas gatherline line. Both lines will be run on surface, adjacent to the existing road-way; the route will follow existing roads where possible. Inland requests that a 30' width for the ROW and an additional 30' width for working surface as necessary. Refer to Exhibit "G".

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Cheryl Cameron  
Address: P.O. Box 790233 Vernal, Utah 84079  
Telephone: (435) 789-1866


Certification

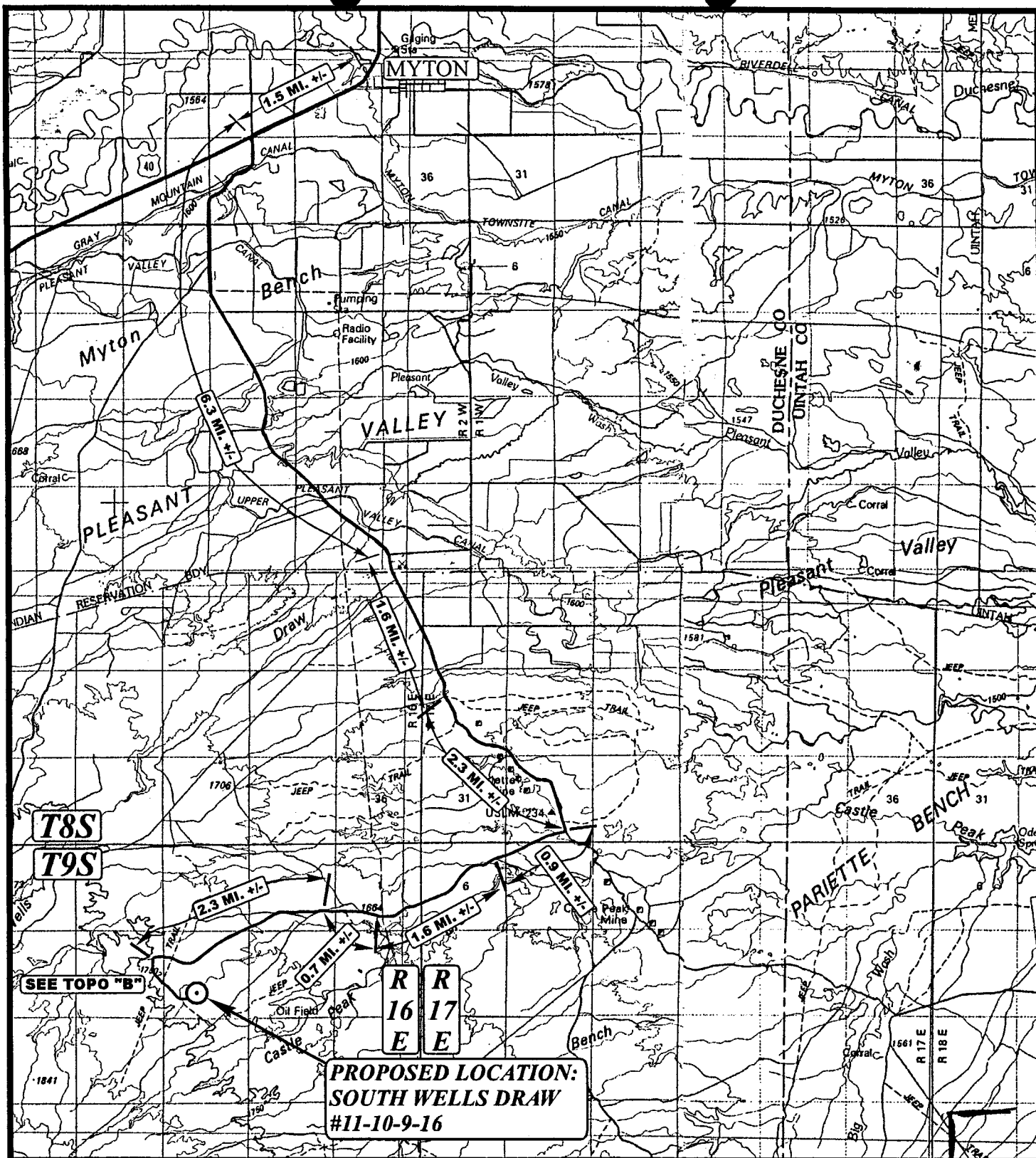
Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #11-10-9-16 NE/SW Section 10, Township 9S, Range 16E: Lease UTU-72107 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/18/98

Date

  
Cheryl Cameron  
Regulatory Compliance Specialist



# LEGEND:

○ PROPOSED LOCATION

# INLAND PRODUCTION CO.

SOUTH WELLS DRAW #11-10-9-16  
SECTION 10, T9S, R16E, S.L.B.&M.  
1806' FSL 1896' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



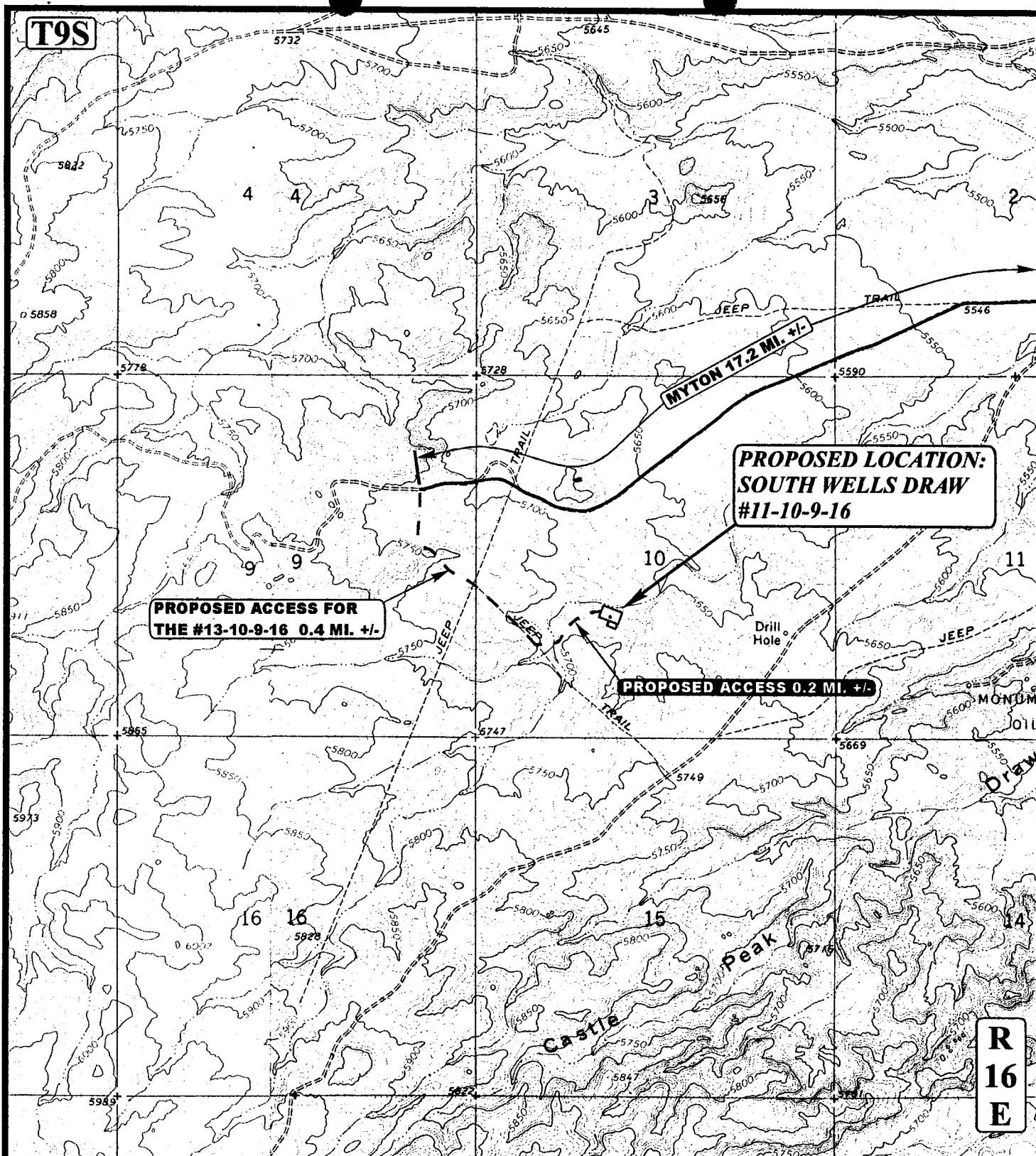
TOPOGRAPHIC  
MAP

1 13 98  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00







### LEGEND:

**INLAND PRODUCTION CO.**

**SOUTH WELLS DRAW #11-10-9-16**  
**SECTION 10, T9S, R16E, S.L.B.&M.**  
**1806' FSL 1896' FWL**

**SCALE: 1" = 2000' | DRAWN BY: D.COX | REVISED: 00-00-00**



475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303)-292-0900

### Regional Area

**Duchesne County, Utah**

Date: 4/12/97

11

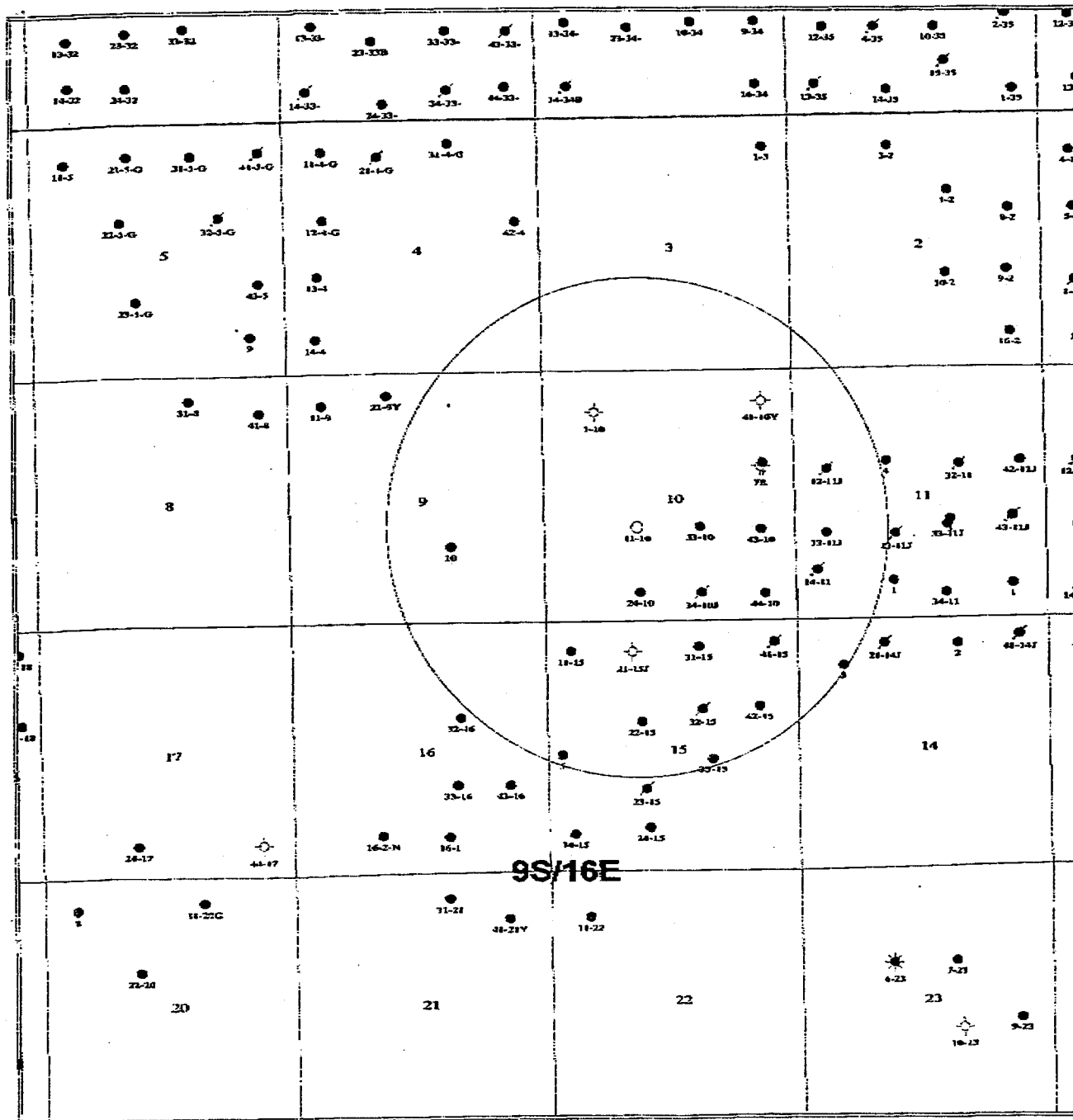


EXHIBIT "D"

INLAND PRODUCTION COMPANY		
ONE MILE RADIUS South Wells Draw #11-10		
Field Number	Sheet	U378
	Sheet 1-10/11/12	

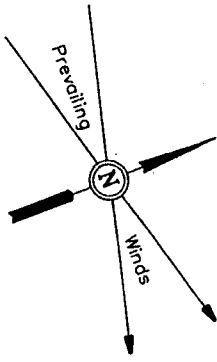
## INLAND PRODUCTION CO.

## LOCATION LAYOUT FOR

SOUTH WELLS DRAW #11-10-9-16

SECTION 10, T9S, R16E, S.L.B.&amp;M.

1806' FSL 1896' FWL



SCALE: 1" = 50'  
Date: 01-13-98  
Drawn By: D.R.B.

Proposed Access  
Road

C-3.1'  
El. 71.1'

C-1.2'  
El. 69.2'

F-1.8'  
El. 66.2'

Sta. 2+90

APPROX.  
TOP OF  
CUT SLOPE

CLEARWATER  
UNIT AREA

NOTE:  
PIT CAPACITY  
WITH 2' OF  
FREEBOARD  
= 2,030 Bbls.

El. 73.7'  
C-13.7'  
(Btm. Pit)

El. 71.7'  
C-3.7'

Reserve Pit Backfill  
& Spoils Stockpile

El. 74.1'  
C-14.1'  
(Btm. Pit)

El. 71.9'  
C-3.9'  
Topsoil Stockpile

El. 75.1'  
C-7.1'

C-2.7'  
El. 70.7'

El. 63.7'  
F-4.3'

Sta. 1+45

Sta. 0+73

Sta. 0+00

APPROX.  
TOE OF  
FILL SLOPE

Round Corners  
As Needed

Elev. Ungraded Ground at Location Stake = 5668.6'

Elev. Graded Ground at Location Stake = 5668.0'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

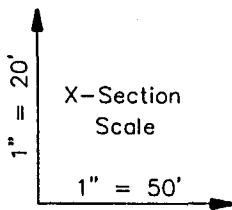
## INLAND PRODUCTION CO.

## TYPICAL CROSS SECTIONS FOR

SOUTH WELLS DRAW #11-10-9-16

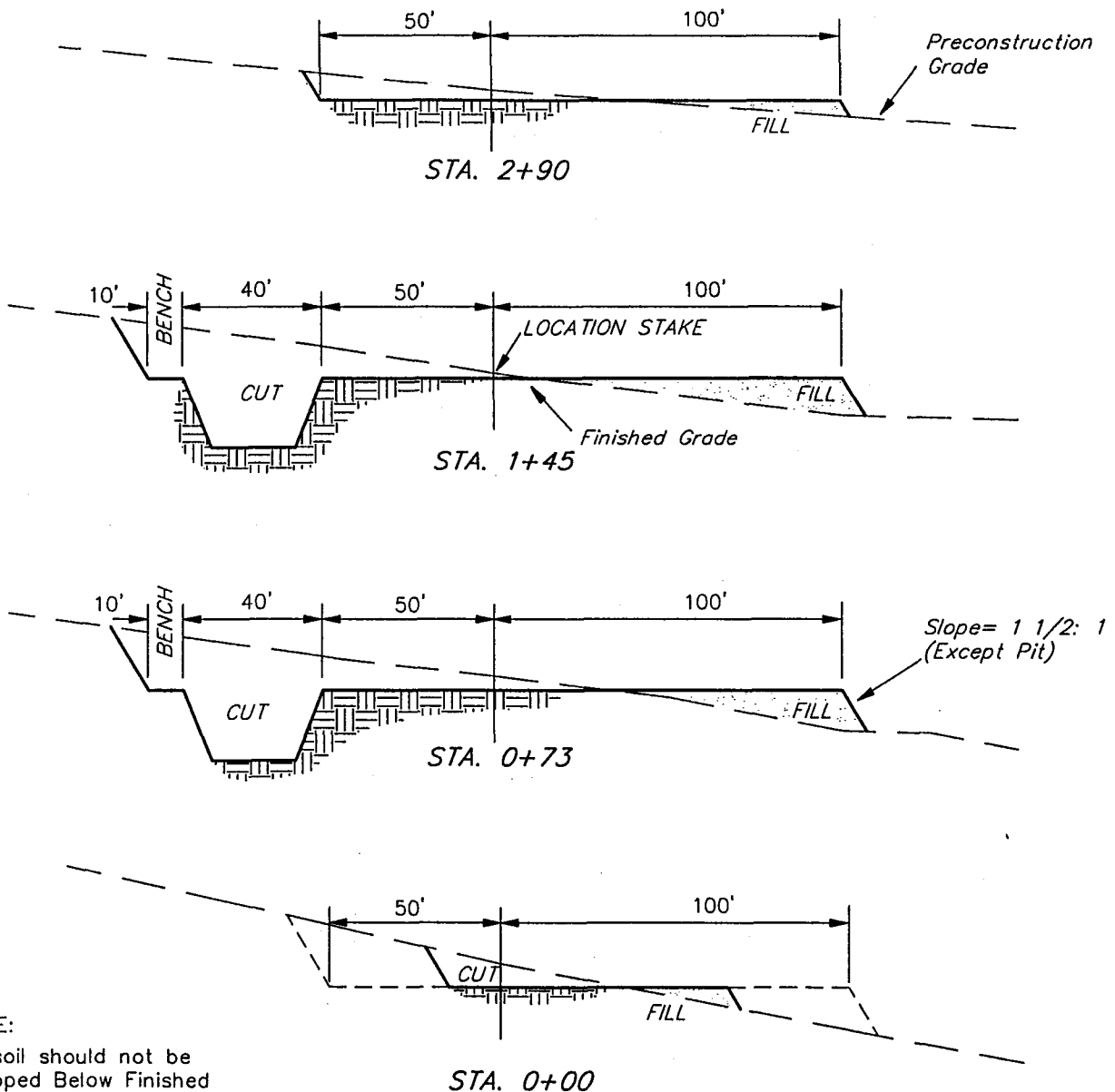
SECTION 10, T9S, R16E, S.L.B.&amp;M.

1806' FSL 1896' FWL



Date: 01-13-98

Drawn By: D.R.B.



## NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

## APPROXIMATE YARDAGES

## CUT

(6") Topsoil Stripping = 870 Cu. Yds.

Remaining Location = 3,260 Cu. Yds.

TOTAL CUT = 4,130 CU.YDS.

FILL = 2,140 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION

= 1,880 Cu. Yds.

Topsoil &amp; Pit Backfill

= 1,200 Cu. Yds.

(1/2 Pit Vol.)

EXCESS MATERIAL After

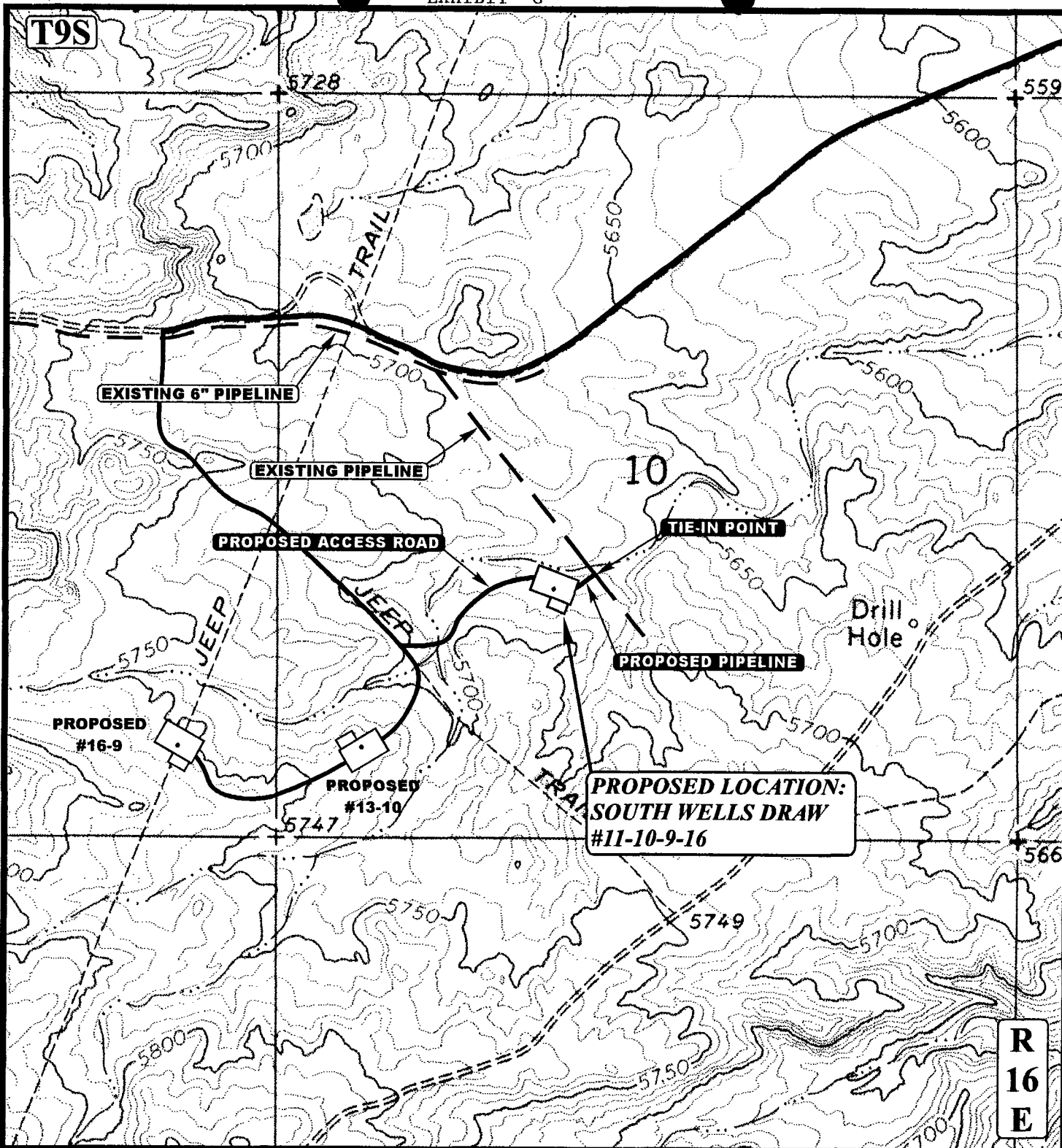
= 680 Cu. Yds.

Reserve Pit is Backfilled &amp;

Topsoil is Re-distributed

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85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



**APPROXIMATE TOTAL PIPELINE DISTANCE = 200' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED ACCESS

N



**INLAND PRODUCTION CO.**

**SOUTH WELLS DRAW #11-10-9-16**

**SECTION 10, T9S, R16E, S.L.B.&M.**

**1806' FSL 1896' FWL**



**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**1 13 98**  
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00



Well No.: South Wells Draw 11-10-9-16

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: South Wells Draw 11-10-9-16

API Number:

Lease Number: UTU-72107

Location: NESW Sec. 10, T9S, R16E

**GENERAL**

Access pad from W, across existing silt catchment pond dam.

**CULTURAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**PALEONTOLOGICAL RESOURCES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**SOILS, WATERSHEDS, AND FLOODPLAINS**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**WILDLIFE AND FISHERIES**

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**BURROWING OWL:** Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and July 15. No new construction or surface disturbing activities will be allowed between April 1 and July 15 within a 0.5 mile radius of any active burrowing owl nest.

## THREATENED, ENDANGERED, AND OTHER SENSITIVE SPECIES

See *CONDITIONS OF APPROVAL FOR INLAND RESOURCES MONUMENT BUTTE-MYTON BENCH WATERFLOOD ENVIRONMENTAL ASSESSMENT DUCHESNE AND UINTAH COUNTIES, UTAH EA NUMBER 1996-61.*

**MOUNTAIN PLOVER:** If new construction or surface disturbing activities are scheduled to occur between March 15 and August 15, detailed surveys of the area within 0.5 mile of the proposed location and within 300 feet of proposed access routes must be conducted to detect the presence of mountain plovers. All surveys must be completed prior to initiating new construction or surface disturbing activities (see Survey Protocol COAs EA Number 1996-61).

## OTHER



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/02/98

API NO. ASSIGNED: 43-013-32045

WELL NAME: S. WELLS DRAW 11-10-9-16  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

NESW 10 - T09S - R16E  
SURFACE: 1806-FSL-1896-FWL  
BOTTOM: 1806-FSL-1896-FWL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: UTU - 72107

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

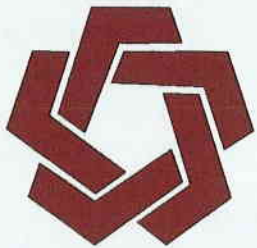
☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 4488944)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number GILSONITE STATE 9-32)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_\_ R649-3-3. Exception.  
\_\_\_\_ Drilling Unit.  
\_\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_



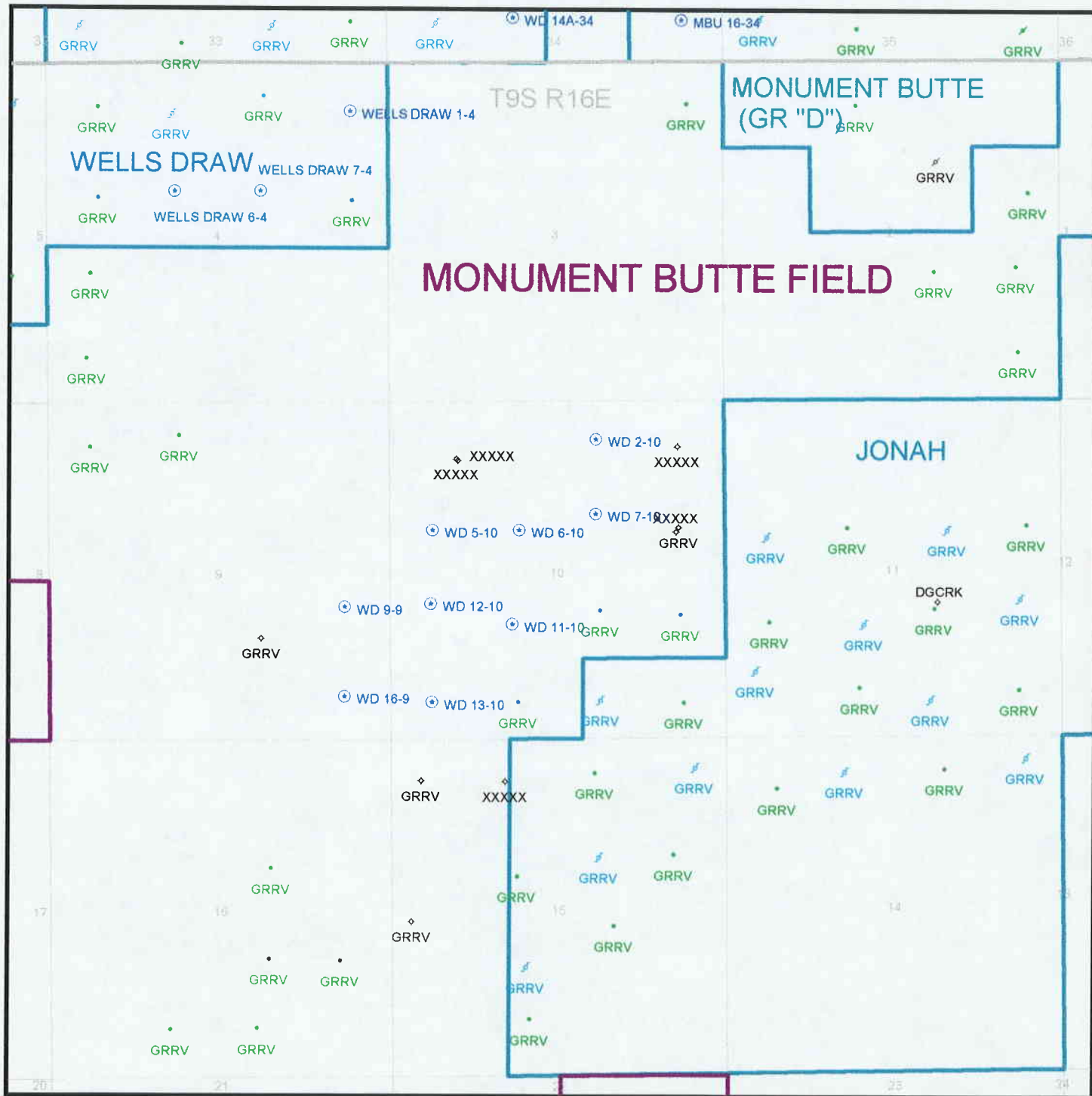
DIVISION OF OIL, GAS & MINING

OPERATOR: INLAND PRODUCTION (N5160)

FIELD: MONUMENT BUTTE (105)

SEC. TWP. RNG.: SEC. 9 & 10, T9S, R16E

COUNTY: DUCHESNE UAC: R649-3-2 STATE SPACING



DATE PREPARED:  
4-FEB-1998



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

March 11, 1998

Inland Production Company  
P.O. Box 790233  
Vernal, Utah 84079

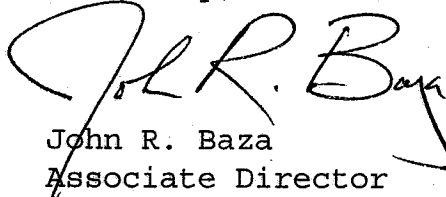
Re: S. Wells Draw 11-10-9-16 Well, 1806' FSL, 1896 FWL, NE SW,  
Sec. 10, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32045.

Sincerely,

  
John R. Baza  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number: S. Wells Draw 11-10-9-16  
API Number: 43-013-32045  
Lease: UTU-72107  
Location: NE SW Sec. 10 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-72107</b>	
1b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input checked="" type="checkbox"/> WELL <input type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input type="checkbox"/> ZONE <input type="checkbox"/>			6. IF INDIAN, ALOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <b>Inland Production Company</b>			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <b>P.O. Box 790233 Vernal, UT 84079</b>			8. FARM OR LEASE NAME <b>S. Wells Draw</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At Surface <b>NE/SW</b> At proposed Prod. Zone <b>1806' FSL &amp; 1896' FWL</b>			9. WELL NO. <b>#11-10-9-16</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>16.5 Miles southwest of Myton, UT</b>			10. FIELD AND POOL OR WILDCAT <b>Monument Butte</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>1795'</b>		16. NO. OF ACRES IN LEASE <b>560</b>	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 10, T9S, R16E</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>	12. County <b>Duchesne</b>	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5668.0 GR</b>		19. PROPOSED DEPTH <b>6500'</b>	13. STATE <b>UT</b>	
22. APPROX. DATE WORK WILL START* <b>2nd Quarter 1998</b>			20. ROTARY OR CABLE TOOLS <b>Rotary</b>	
23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
<b>Refer to Monument Butte Field SOP's Drilling Program/Casing Design</b>				

**Inland Production Company proposes to drill this well in accordance with the attached exhibits, "A" through "G".**

**The Conditions of Approval are attached.**



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Cheryl Cameron* TITLE **Regulatory Compliance Specialist** DATE **1/18/98**  
**Cheryl Cameron**

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY *David R. Leavins* TITLE \_\_\_\_\_ DATE **11 Mar 1998**

**Assistant Field Manager  
Mineral Resources**

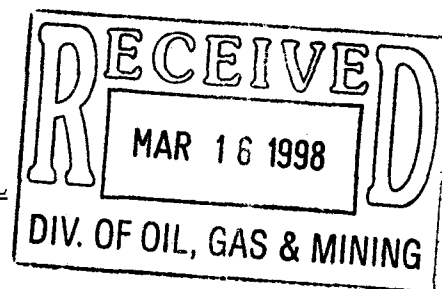
**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL



Company/Operator: Inland Production Company

Well Name & Number: 11-10-9-16

API Number: 43-013-32045

Lease Number: U-72107

Location: NESW Sec. 10 T. 09S R. 16E

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

**Drilling Operations**

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water identified at  $\pm$  2532 ft.

## **SURFACE USE PROGRAM**

### **Planned Access Road**

The access road to this location crosses a dam for a water impoundment. The dam shall be maintained to adequately impound water as well as providing an appropriate travel surface for the access road.

### **Well Site Layout**

The location is very close to a drainage on the north side. No fill material shall enter the drainage during construction.

### **Location Reclamation**

The following seed mixture will be used on the stock piled topsoil, reclamation of the reserve pit, and for final reclamation: (All poundages are in Pure Live Seed)

black sagebrush	<i>Artemesia arbuscula v. nova</i>	3 lbs/acre
shadscale	<i>Atriplex confertifolia</i>	3 lbs/acre
fourwing saltbush	<i>Atriplex canescens</i>	4 lbs/acre
western wheatgrass	<i>Agropyron smithii</i>	2 lbs/acre

The location topsoil pile shall be seeded immediately after site construction by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed.

The reserve pit shall have a small amount of topsoil stock piled near by as shown on the cut sheet to be used to spread over the reserve pit area at the time the reserve pit is reclaimed.

Once the reserve pit is dry, it shall be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: INLAND PRODUCTION CO

Well Name: SOUTH WELLS DRAW 11-10

Api No. 43-013-32045

Section 10 Township 9S Range 16E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED:

Date 4/21/98

Time

How DRY HOLE

Drilling will commence

Reported by MIKE WARD

Telephone #

Date: 4/27/98 Signed: JLT

✓



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL NE/SW Section 10, T09S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 4/23/98 - 4/29/98**

Drilled 7-7/8" hole w/Big A, Rig #46 from 305' - 5850'.

MIRU. NU BOP's. Test lines, valves, rams & manifold to 2000 psi, Hydril & csg to 1500 psi. Alan Walker of BLM present for test. Spud rotary rig @ 9:45 pm, 4/23/98. PU BHA & GIH. Drl plug & cmt. Drl cmt & GS. Run 5-1/2" GS, 1 jt 5-1/2" csg (41'), 5-1/2" FC, 135 jt 5-1/2", 15.5#, J-55, LT & C csg (5815'). Csg set @ 5825'. RD. RU Halliburton. C&C. Pmp 20 bbl dye wtr & 20 bbl gel. Cmt w/440 sx Hibond 65 Modified (same) & 380 sx Thixotropic & 10% Calseal (same). Good returns POB w/2200 psi, 11:15 pm, 4/27/98. Est 4 bbl gel returns. RD. 4ND BOP's. Set slips w/84,000#, dump ptis & RD. Rig released @ 3:15 am, 4/28/98. RDMOL.

14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

4/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL NE/SW Section 10, T09S R16E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

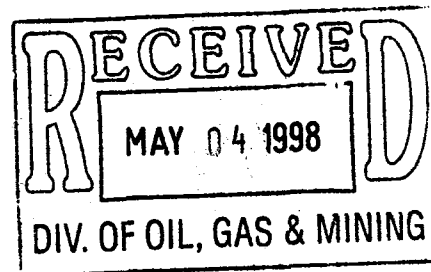
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Surface Spud**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU ZCM. Drl 12-1/4" hole to 210'. Hit small wtr flow. Drl 210' to 292' & plugged hammer on connection. TOH, unable to clear hammer. Wait on new bit & hammer. TIH w/rotary bit. Drl to 294'. Bit plugged while working tight hole. TOH & PU bit & hammer. TIH circulating hole clean @ each connection. Drl 294' - 305'. C&C. LD DP. **SPUD WELL @ 10:00 AM, 4/21/98.** LD DP & Hammer. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg (293'). Csg set @ 293'. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/140 sx Premium Plus w/2% CC & 1/2#/sk Flocele (15.6 ppg 1.18 cf/sk yield). Est 16 bbl cmt returns. RD Halliburton. Drl MH & RH for Big A #46. RDMOL.



14. I hereby certify that the foregoing is true and correct

Signed

Shannen Smith

Title

Engineering Secretary

Date

4/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL NE/SW Section 10, T09S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

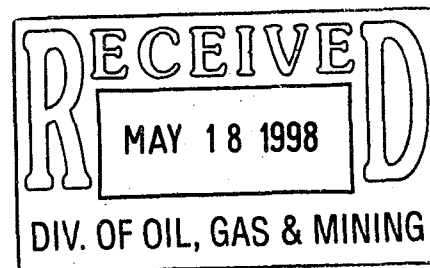
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Surface Spud**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

MIRU ZCM Drilling. Drl 12-1/4" sfc hole to 30'. **SPUD WELL @ 3:30 PM, 4/28/98.** C&C. LD DP. Run 8-5/8" GS, 7 jt 8-5/8", 24#, J-55, ST & C csg (293'). Csg set @ 293'. RU Halliburton. Pmp 5 bbl dye wtr & 20 bbl gel. Cmt w/120 sx Premium Plus w/2% CC, 2% gel & 1/2#/sk flocele (14.8 ppg 1.37 cf/sk yield). Est 8 bbl cmt returns. RD Halliburton. WOC. Drl MH & RH for Big A #46. RDMO.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

5/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company  
ADDRESS 410 17th St., Suite 700  
Denver, Colorado 80202

OPERATOR ACCT. NO. N 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	11880	43-013-32059	Beluga 8-18-9-17	SE/NE	18	09S	17E	Duchesne	4/27/98	
WELL 1 COMMENTS: Spud well w/ Union, Rig #7 @ 11:30 am 4/27/98 Beluga Unit Entities added 5-20-98. Lee											
A	99999	12369	43-013-32046	S. WELLS DRAW 12-10-9-16	NW/SW	10	9S	16E	Duchesne	4/23/98	
WELL 2 COMMENTS: Spud well w/ Big A, #46 @ 5:45 PM 4/23/98											
A	99999	12370	43-013-32045	S. WELLS DRAW 11-10-9-16	NE/SW	10	09S	16E	Duchesne	4/21/98	
WELL 3 COMMENTS: Spud well w/ Big A, #46 @ 10:00 am, 4/21/98											
A	99999	12371	43-013-31811	S. WELLS DRAW 5-10-9-16	SW/NW	10	09S	16E	Duchesne	4/28/98	
WELL 4 COMMENTS: Spud well w/ zcm Drilling @ 3:30 pm, 4/28/98											
B	99999	11880	43-013-32051	BELUGA 7-18-9-17	SW/NE	18	09S	17E	Duchesne	5/4/98	
WELL 5 COMMENTS: Spud well w/ Union #7 @ 10:00 am 5/4/98 Beluga Unit											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Shannon Smith  
Signature

Engineering Secretary 04/02/98  
Title Date

Phone No. (303) 382-4441

May 14, 1998 4:05 PM INLAND RESOURCES No. 4164 P. 3/3

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

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☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Weekly Status

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

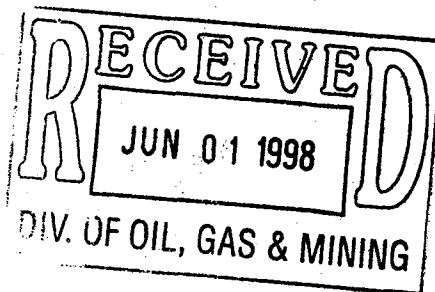
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13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 5/21/98 - 5/27/98**

Perf A sds @ 5127-30', 5147-55' & 5159-65'.

Perf C sds @ 4831-41'.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

5/28/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

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**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

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**MONUMENT BUTTE**

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**SUBMIT IN TRIPLICATE**

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☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

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**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

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**TYPE OF ACTION**

☐ Abandonment  
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☐ Plugging Back  
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☐ Altering Casing  
☒ Other Weekly Status

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

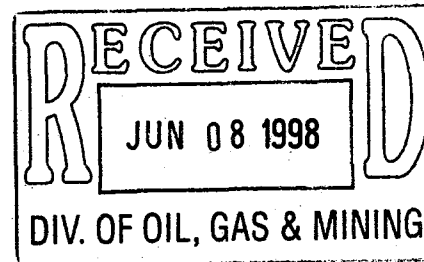
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 5/28/98 - 6/3/98**

Perf D sds @ 4673-78'.

Perf GB sds @ 4150-60' & 4199-4218'.

Swab well. Trip production tbg.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

6/4/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil  
Well



Gas  
Well



Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL**

**NE/SW Section 10, T09S R16E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**



Notice of Intent



Subsequent Report



Final Abandonment Notice

**TYPE OF ACTION**



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other Weekly Status



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



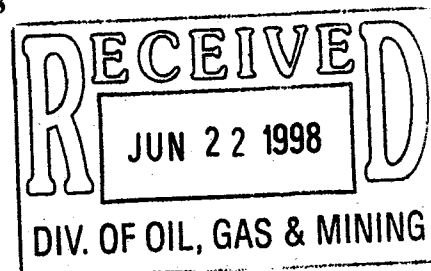
Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**WEEKLY STATUS REPORT FOR THE PERIOD OF 6/4/98 - 6/10/98**

Place well on production @ 1:00 PM, 6/3/98.



14. I hereby certify that the foregoing is true and correct

Signed

Shannon Smith

Title

Engineering Secretary

Date

6/18/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 (435) 789-1866**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL NE/SW Section 10, T09S R16E**

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**NA**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

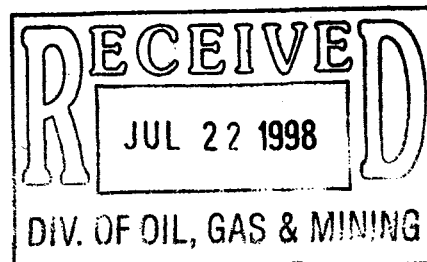
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Reclamation**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The location reclamation and recontouring have been completed in accordance with the Surface Use Program on 6/27/98, per BLM specifications. The reserve pit has been backfilled and the topsoil has been spread over the reserve pit, and the seeding has been conducted on the reserve pit and the topsoil stockpile. All construction and restoration operations have been completed.



14. I hereby certify that the foregoing is true and correct

Signed

*Cheryl Cameron*  
Cheryl Cameron

Title

**Regulatory Compliance**

Date

**7/15/98**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other In-  
structions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 790233 Vernal, UT 84079 (435) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

NE/SW

At top prod. interval reported below

1806' FSL & 1896' FWL

At total depth

14. PERMIT NO.

43-013-32045

DATE ISSUED

3/11/98

15. DATE SPUDDED

4/21/98

16. DATE T.D. REACHED

4/27/98

17. DATE COMPL. (Ready to prod.)

6/3/98

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\*

5668' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5850'

21. PLUG, BACK T.D., MD & TVD

5775'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Green River - Refer to Item # 37

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIGL/SP/GR/CAL - CN/CD/GR - CBL

7.22.98

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	293'	12 1/4	140 sx Prem + w/ 2% CC & 1/2#/sk flocele	
5 1/2	15.5#	5825'	7 7/8	440 sx Hibond 65 mod & 380 sx Thixo w/ 10% Calseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	EOT @ 5247'	TA @ 5118'

31. PERFORATION RECORD (Interval, size and number)

Refer to Item #37

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Refer to Item #37	#37

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6/3/98		2½" X 1½" X 16' RHAC pump - pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
7 Day Avg	6/98	N/A	→	124	132	11	1.1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Cheryl Cameron

TITLE

Regulatory Specialist

DATE 7/6/98

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch	3648'		Items #24, 31 & 32			
Garden Gulch 2	3968'					
Point 3	4222'		Perf A sd 5127'-30', 5147'-55', 5159'-65'			
X Marker	4494'		Frac w/ 97,420# 20/40 sd in 494 bbls			
Y Marker	4528'		Viking 1-25 fluid			
Douglas Creek	4648'					
Bi-Carb	4886'		Perf C sd 4831'-41'			
B-Lime	5004'		Frac w/ 97,480# 20/40 sd in 508 bbls			
Castle Peak	5509'		Viking 1-25 fluid			
Basal Carb	NDE					
			Perf D sd 4673'-78'			
			Frac w/ 88,960# 20/40 sd in 476 bbls			
			Viking 1-25 fluid			
			Perf GB SD 4150'-60', 4199'-4218'			
			Frac w/ 105,300# 20/40 sd in 513 bbls			
			Viking 1-25 fluid			

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well    ☐ Gas well    ☐ Other

## 2. Name of Operator

Inland Production Co.

## 3. Address and Telephone No.

(303) 893-0102

410 Seventeenth Street, Suite 700 Denver, CO 80202

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE/SW    1606' fsl, 1898' fwl    Sec. 10, T9S, R16E

## 5. Lease Designation and Serial No.

U-72107

## 6. If Indian, Allottee or Tribe Name

NA

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

S. Wells Draw Fed 11-10

## 9. API Well No.

43-013-32045

## 10. Field and Pool, or Exploratory Area

Monument Butte

## 11. County or Parish, State

Duchesne

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☒ Notice of Intent
- ☐ Subsequent Report
- ☐ Final Abandonment Notice

## TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☐ Other \_\_\_\_\_
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☒ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

Please see attached injection application.

14. I hereby certify that the foregoing is true and correct

Signed

Joyce I. McGough

Title

Regulatory Specialist

Date

1/11/01

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**



RECEIVED

FEB 05 2001

DIVISION OF  
OIL, GAS AND MINING

January 8, 2001

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
South Wells Draw #11-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #U-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the South Wells Draw #11-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw Unit.

I hope you find this application complete; however, if you have any questions or require additional information, please contact George Rooney at (303) 893-0102.

Sincerely,

*Bill Pennington*  
Bill Pennington  
Chief Executive Officer

BOARD APPROVAL  
7-16-01



January 8, 2001

Mr. Edwin I. Forsman  
Bureau of Land Management  
Vernal District Office, Division of Minerals  
170 South 500 East  
Vernal, Utah 84078

RE: Permit Application for Water Injection Well  
South Wells Draw Federal #11-10-9-16  
Monument Butte Field, South Wells Draw Unit, Lease #U-72107  
Section 10-Township 9S-Range 16E  
Duchesne County, Utah

Dear Mr. Forsman:

Inland Production Company, as operator of the above referenced well, has requested to convert the above well from a producer to an injector. Enclosed for your review is a copy of the application filed with the State of Utah. Also enclosed is a copy of the sundry notice of intent.

Should you have any questions, please contact me or George Rooney at 303/893-0102.

Sincerely,

Joyce McGough  
Regulatory Specialist

Enclosures

**INLAND PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**SOUTH WELLS DRAW FEDERAL #11-10-9-16**

**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**

**SOUTH WELLS DRAW UNIT**

**LEASE #U-72107**

**JANUARY 8, 2001**

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## APPLICATION FOR INJECTION WELL - UIC FORM 1

Well Name and number:	South Wells Draw #11-10-9-16									
Field or Unit name:	Monument Butte (Green River) S. Wells Draw Unit						Lease No.	U-72107		
Well Location:	QQ	NESW	section	10	township	9S	range	16E	county	Duchesne

API number: 43-013-32045

**IMPORTANT:** Additional information as required by R615-5-2 should accompany this form.

Name: Bill Pennington Signature: Bill Pennington  
Title: Chief Executive Officer Date: 1/08/01  
Phone No.: (303) 893-0102

Application approved by \_\_\_\_\_ Title \_\_\_\_\_  
Approval Date \_\_\_\_\_

Comments:



# South Wells Draw #11-10

Spud Date: 4/23/98  
Put on Production: 6/3/98  
GL: 5668' KB: 5680'

## Proposed Injection Wellbore Diagram

Initial Production: 124 BOPD,  
132 MCFPD, 11 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293')  
DEPTH LANDED: 293' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5815')  
DEPTH LANDED: 5825'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
CEMENT TOP AT: 1669' CBL

3109

### TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 168 jts.  
PACKER: 4100'  
TOTAL STRING LENGTH: EOT @ 5247'

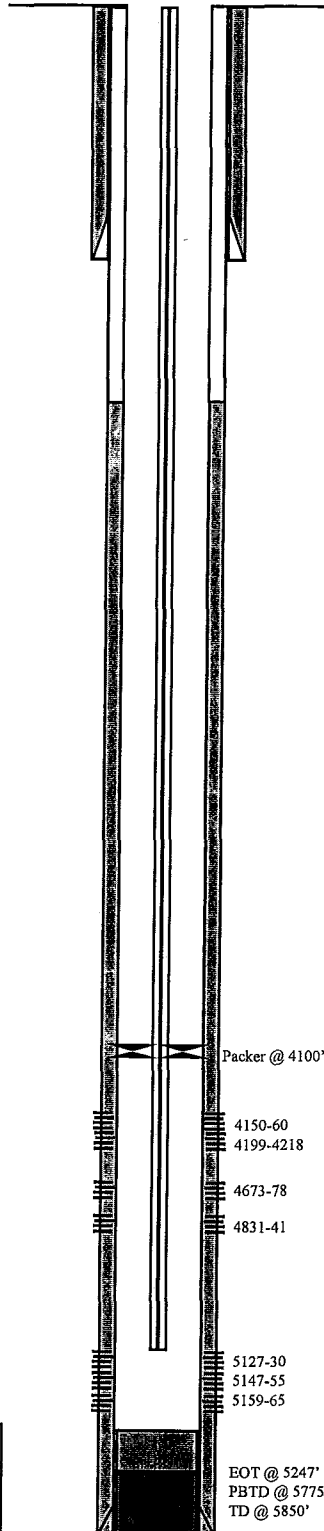
### FRAC JOB

5/21/98 5127'-5165' **Frac A-1 & A-3 sands as follows:**  
97,420# 20/40 sand in 494 bbls Viking I-25 fluid. Perfs brokedown @ 3185 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 3000 psi, 5-min 2640 psi. Flowback on 12/64" choke for 4 hours and died.

5/26/98 4831'-4841' **Frac C sand as follows:**  
97,480# of 20/40 sand in 508 bbls Viking I-25 fluid. Perfs brokedown @ 2860 psi. Treated @ avg press of 2100 psi w/avg rate of 26 bpm. ISIP: 2350 psi, 5-min 2230 psi. Flowback on 12/64" choke for 6 hours and died.

5/28/98 4673'-4678' **Frac D-1 sand as follows:**  
88,960# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs brokedown @ 3447 psi. Treated @ avg press of 2350 psi w/avg rate of 24 bpm. ISIP: 2500 psi, 5-min 2130 psi. Flowback on 12/64" choke for 2 hours and died.

5/26/98 4831'-4841' **Frac GB-4 & GB-6 sands as follows:**  
105,300# of 20/40 sand in 513 bbls Viking I-25 fluid. Perfs brokedown @ 3320 psi. Treated @ avg press of 1900 psi w/avg rate of 28 bpm. ISIP: 2300 psi, 5-min 2180 psi. Flowback on 12/64" choke for 5 hours and died.



### PERFORATION RECORD

Date	Interval	Tool Joint	Holes
5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	5831'-5841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes



**Inland Resources Inc.**

**South Wells Draw #11-10**

1606' FSL 1898' FWL

NESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32045; Lease #UTU-72107

## WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS**  
**RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 **The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

- 2.2 **A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

- 2.3 **A full description of the particular operation for approval is requested.**

Approval is requested to convert the S. Wells Draw Fed #11-10-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, South Wells Draw Unit.

- 2.4 **A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 **The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the S. Wells Draw Federal #11-10-9-16 well, the proposed injection zone is from 4150'- 5165'. The confining stratum directly above and below the injection zones is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4150'.

- 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the S. Wells Draw Fed #11-10-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #U-72107) in the Monument Butte (Green River) Field, South Wells Draw Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.

The casing program is 8-5/8", 24#, J-55 surface casing run to 293' GL, and 5-1/2" 15.5# J-55 casing run from surface to 5825' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The secondary type of fluid to be used for injection will be culinary water from the Johnson Water District commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.

See Attachment F.

**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2272 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the S. Wells Draw Fed #11-10-9-16, for proposed zones (4150' - 5165') calculates at 0.98 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2272 psig. See Attachment G through G-4.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the S. Wells Draw Fed #11-10-9-16, the injection zone (4150' - 5165') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Inland Production Company will supply any requested information to the Board or Division.







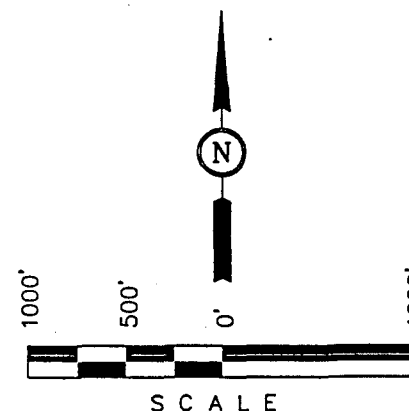
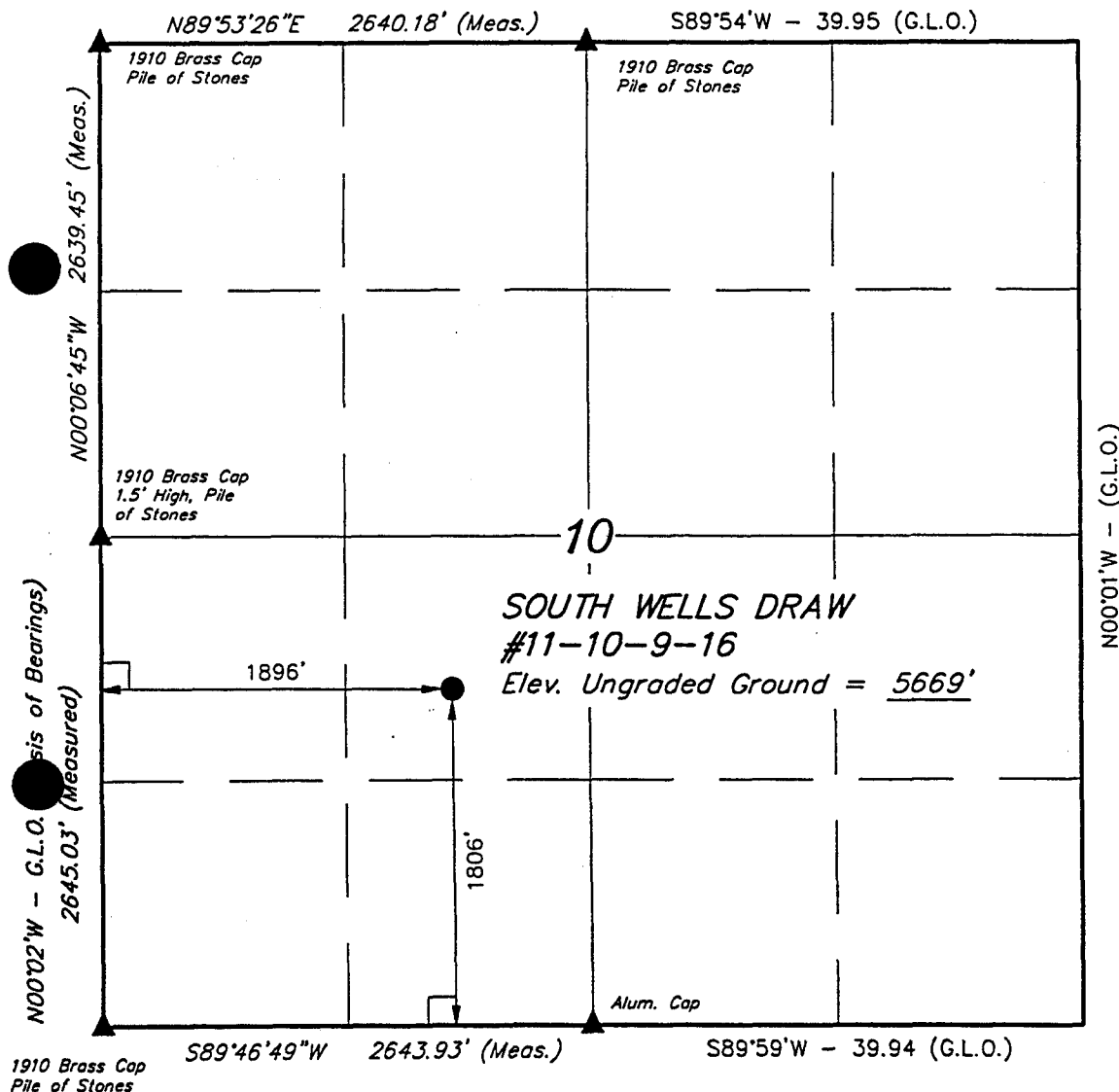
T9S, R16E, S.L.B.&M.

INLAND PRODUCTION CO.

Well location, SOUTH WELLS DRAW #11-10-9-16,  
located as shown in the NE 1/4 SW 1/4 of  
Section 10, T9S, R16E, S.L.B.&M. Duchesne  
County, Utah.

# BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION  
10, T9S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE,  
QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD.  
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES  
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY.  
SAID ELEVATION IS MARKED AS BEING 5747 FEET.



# CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Taylor  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

Attachment A-1

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

# LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 01-12-98	DATE DRAWN: 01-13-98
PARTY D.A. K.H. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE INLAND PRODUCTION CO.	



Attachment B  
Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 9 South, Range 16 East Section 8: SE/4NE/4 Section 9: NE/4, NE/4NW/4, S/2NW/4 Section 10: N/2 NW/4 Section 35: W/2	UTU-65207 HBP	Inland Production Company Yates Petroleum Corporation Abo Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	Township 9 South, Range 16 East Section 10: S/2N/2, N/2S/2, S/2SW/4 Section 15: W/2W/2	UTU-72107 HBP	Inland Production Company	(Surface Rights) USA
3	Township 9 South, Range 16 East Section 9: E/2SW/4, SE/4	UTU-40894 HBP	Inland Production Company	(Surface Rights) USA
4	Township 9 South, Range 16 East Section 10: S/2SE/4 Section 15: E/2, E/2W/2	UTU-017985 HBP	Inland Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
S. Wells Draw Fed #11-10-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

*Bill Pennington*  
Inland Production Company  
Bill Pennington  
Chief Executive Officer

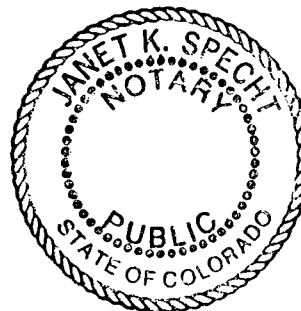
Sworn to and subscribed before me this 1<sup>st</sup> day of January, 2001.

Notary Public in and for the State of Colorado: \_\_\_\_\_

*Janet K. Specht*

My Commission Expires: \_\_\_\_\_

7/16/01



## South Wells Draw #11-10

Spud Date: 4/23/98  
Put on Production: 6/3/98  
GL: 5668' KB: 5680'

Initial Production: 124 BOPD,  
132 MCFPD, 11 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (293')  
DEPTH LANDED: 293' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5815')  
DEPTH LANDED: 5825'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
CEMENT TOP AT: 1669' CBL

3109

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 168 jts.  
TUBING ANCHOR: 5118'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5247'  
SN LANDED AT: 5183'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 94-3/4" scraped  
PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/21/98 5127'-5165' Frac A-1 & A-3 sands as follows:  
97,420# 20/40 sand in 494 bbls Viking I-25 fluid. Perfs brokedown @ 3185 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP: 3000 psi, 5-min 2640 psi. Flowback on 12/64" choke for 4 hours and died.

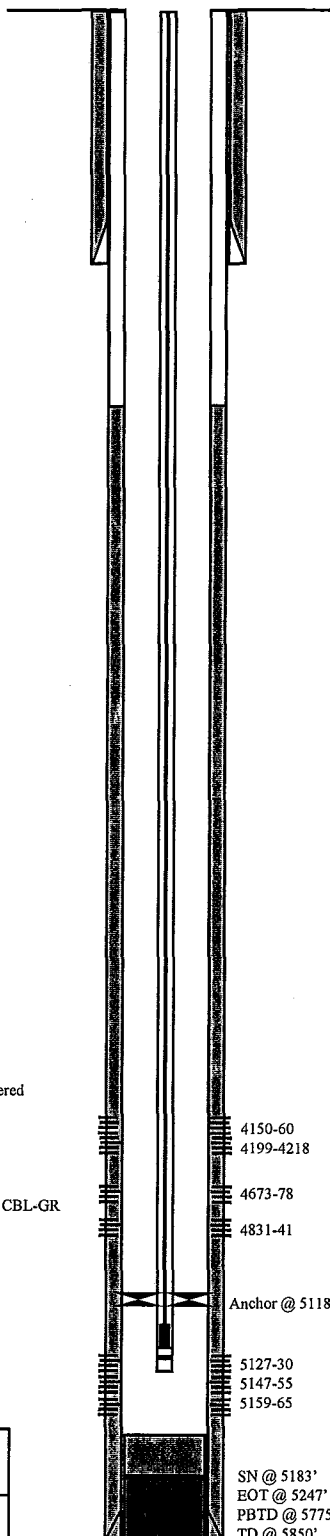
5/26/98 4831'-4841' Frac C sand as follows:  
97,480# of 20/40 sand in 508 bbls Viking I-25 fluid. Perfs brokedown @ 2860 psi. Treated @ avg press of 2100 psi w/avg rate of 26 bpm. ISIP-2350 psi, 5-min 2230 psi. Flowback on 12/64" choke for 6 hours and died.

5/28/98 4673'-4678' Frac D-1 sand as follows:  
88,960# 20/40 sand in 476 bbls Viking I-25 fluid. Perfs brokedown @ 3447 psi. Treated @ avg press of 2350 psi w/avg rate of 24 bpm. ISIP: 2500 psi, 5-min 2130 psi. Flowback on 12/64" choke for 2 hours and died.

5/26/98 4831'-4841' Frac GB-4 & GB-6 sands as follows:  
105,300# of 20/40 sand in 513 bbls Viking I-25 fluid. Perfs brokedown @ 3320 psi. Treated @ avg press of 1900 psi w/avg rate of 28 bpm. ISIP-2300 psi, 5-min 2180 psi. Flowback on 12/64" choke for 5 hours and died.

PERFORATION RECORD

5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	4831'-4841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes



SN @ 5183'  
EOT @ 5247'  
PBTID @ 5775'  
TD @ 5850'



Inland Resources Inc.

South Wells Draw #11-10

1606' FSL 1898' FWL

NESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32045; Lease #UTU-72107

Spud Date: 4-28-98

## S. Wells Draw #5-10-9-16

Put on Production:

GL: 5707.6 KB: 5717.6'

Initial Production: 74 BOPD,  
79 MCFD, 3 BWPD

## Wellbore Diagram

SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 7 jts @ 293'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 293'  
 CEMENT DATA: 120 sx Premium, est 8 bbls cmt to surface

PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 137 jts @ 5877'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5888'  
 CEMENT DATA: 350 sx Class C &  
 370 sx Class G  
 CEMENT TOP AT: surface

3902

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 182 jnts  
 TUBING ANCHOR: 5630'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 5664'  
 SN LANDED AT: 5758'  
 EOT:

LOGS: DIGL/SP/GR/CAL 5900'-300'  
 CD/CN/GR 5880'-3000'

SUCKER RODS

POLISH ROD: 1-1/2" x 22'  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 74"  
 PUMP SPEED: 7 SPM  
 4-1 1/2" wt rods, 4-3/4" scraped, 122-3/4" plain,  
 96-3/4" scraped, 1-8', 1-4' x 3/4" pony

FRAC JOB

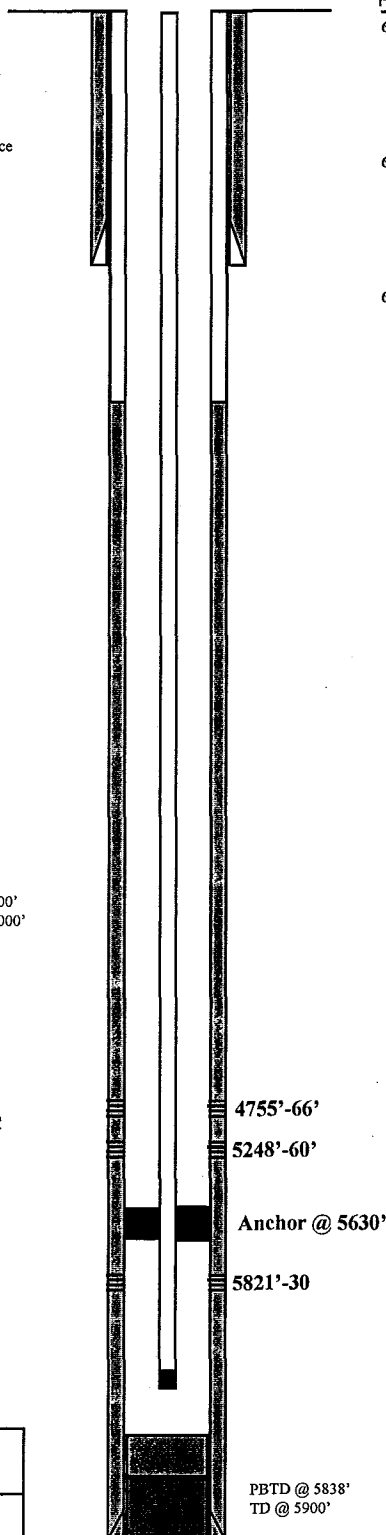
6-10-98 5821'-5830' Frac CP sand as follows:  
 111,300# 20/40 sand in 611 bbls Viking.  
 Perfs broke @ 4050 psi. Treated w/avg  
 press of 2235 psi w/avg rate of 28.3 BPM.  
 ISIP-2200 psi, 5 min 1650 psi. Flowback on  
 12/64" ck for 3 hrs & died.

6-12-98 5248'-5260' Frac A sand as follows:  
 95,420# 20/40 sand in 530 bbls Viking.  
 Perfs broke @ 3220psi. Treated w/avg press  
 of 1850 psi w/avg rate of 28.2 BPM. ISIP-  
 1890 psi, 5 min 1775 psi. Flowback on  
 12/64" ck for 4 hrs & died.

6-14-98 4755'-4766' Frac D sand as follows:  
 114,163# 20/40 sand in 521 bbls Viking.  
 Perfs broke @ 3070 psi. Treated w/avg  
 press of 2350 psi w/avg rate of 26.4 BPM.  
 ISIP-3870 psi, 5 min 2365 psi. Flowback on  
 12/64" ck for 3 hrs & died. Screened out.

PERFORATION RECORD

6-09-98 5821'-5830' 4 JSFP 36 holes  
 6-11-98 5248'-5260' 4 JSFP 48 holes  
 6-12-98 4755'-4766' 4 JSFP 44 holes



Inland Resources Inc.

S. Wells Draw #5-10-9-16

1980 FNL 660 FWL

NWNE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31811; Lease #U-72107

PBT D @ 5838'  
TD @ 5900'

Spud Date: 6/5/98

Put on Production: 7/13/98

GL: 5666.9' KB: 5678.9' (12'KB)

## S. Wells Draw #6-10-9-16

## Wellbore Diagram

Initial Production: 80 BOPD,  
116 MCFD, 3 BWPDSURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 7 jts @ 297.86'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 308'KB  
 CEMENT DATA: 120 sx Class G, est 4 bbls cmt to surface

PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 135 jts @ 5816'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5828'KB  
 CEMENT DATA: 340 sx Premium Lite &  
 410 sx 50/50 Poz  
 CEMENT TOP AT: surface

2746

TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 166 jnts  
 TUBING ANCHOR: 5152'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH:  
 SN LANDED AT: 5248'KB  
 EOT: 5312'KB

LOGS: DIGL/SP/GR/CAL 5843'-308'  
 CD/CN/GR 5823'-3000'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.

SUCKER RODS: 1 - 6', 1 - 4'x3/4" pony rods, 100 - 3/4" scraped, 101-3/4" plain rods, 8 - 1" scraped, 1 - 8'x1-1/2" pony rod.

PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC pump

STROKE LENGTH: 74"

PUMP SPEED, SPM: 7 SPM

FRAC JOB

7-03-98 5175'-5335' **Frac A sand as follows:**  
 115,110# 20/40 sand in 560 bbls Viking.  
 Perfs broke @ 2150 psi. Treated w/avg  
 press of 1975 psi w/avg rate of 30 BPM.  
 ISIP-2725 psi, 5 min 2375 psi. Flowback  
 on 12/64" ck for 4 hrs & died.

7-08-98 4895'-4911' **Frac C sand as follows:**  
 107,835# 20/40 sand in 546 bbls Viking.  
 Perfs broke @ 1850psi. Treated w/avg  
 press of 1870 psi w/avg rate of 28.6 BPM.  
 ISIP-3250 psi, 5 min 2762 psi. Flowback  
 on 12/64" ck for 4-1/2 hrs & died.

7-10-98 4234'-4263' **Frac GB sand as follows:**  
 105,040# 20/40 sand in 510 bbls Viking.  
 Perfs broke @ 2900 psi. Treated w/avg  
 press of 1750 psi w/avg rate of 26 BPM.  
 ISIP-2160 psi, 5 min 1799 psi. Flowback  
 on 12/64" ck for 3-1/2 hrs & died.

PERFORATION RECORD

7-02-98	5175'-5182'	4 JSPF	28 holes
7-02-98	5204'-5206'	4 JSPF	8 holes
7-02-98	5208'-5210'	4 JSPF	8 holes
7-02-98	5332'-5335'	4 JSPF	12 holes
7-07-98	4895'-4899'	4 JSPF	16 holes
7-07-98	4901'-4911'	4 JSPF	40 holes
7-09-98	4234'-4237'	4 JSPF	12 holes
7-09-98	4239'-4243'	4 JSPF	16 holes
7-09-98	4245'-4248'	4 JSPF	12 holes
7-09-98	4259'-4263'	4 JSPF	16 holes

4234'-37'  
 4239'-43'  
 4245'-48'  
 4259'-63'

4895'-99'  
 4901'-11'

Anchor @ 5152'

5175'-82'

5204'-06'

5208'-10'

5332'-35'

Sand Top @ 5611'KB  
 PBTD @ 5765' KB  
 TD @ 5828'KB



Inland Resources Inc.

S. Wells Draw #6-10-9-16

1980 FNL 1980 FWL

SENW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32041; Lease #U-72107

Spud Date: 5-12-98

## S. Wells Draw #7-10-9-16

Put on Production: 6-26-98

GL: 5644' KB: 5654'

## Wellbore Diagram

Initial Production: 192 BOPD,  
190 MCFD, 2 BWPD

## SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 8 jts @ 315'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 315'  
 CEMENT DATA: 120 sx Class G & 15 sx Class G Neat,  
 est 7 bbls cmt to surface

## PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 135 jts @ 5822'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5833'  
 CEMENT DATA: 370 sx 28-72 Poz III &  
 375 sx Class G  
 CEMENT TOP AT: surface

3892

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 170 jnts  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 5303'  
 EOT:

LOGS: DIGL/SP/GR/CAL 5850'-325'  
 CD/CN/GR 5850'-3000'

## FRAC JOB

6-21-98 5171'-5238' Frac A sand as follows:  
 120,000# 20/40 sand in 569 bbls  
 Viking. Perfs broke @ 2840 psi.  
 Treated w/avg press of 1700 psi w/avg  
 rate of 33 BPM. ISIP-2150 psi, 5 min  
 1930 psi. Flowback on 12/64" ck for 4  
 hrs & died.

6-24-98 4806'-4902' Frac D/C sand as follows:  
 87,000# 20/40 sand in 418 bbls Viking.  
 Perfs broke @ 1811 psi. Treated w/avg  
 press of 2450 psi w/avg rate of 30  
 BPM. Screened out. ISIP-3810 psi, 5  
 min 2400 psi. Flowback on 12/64" ck  
 for 5-1/2 hrs & died.

6-26-98 4210'-4249' Frac GB sand as follows:  
 88,500# 20/40 sand in 563 bbls Viking.  
 Perfs broke @ 2720 psi. Treated w/avg  
 press of 1675 psi w/avg rate of 26.1  
 BPM. ISIP-2280 psi, 5 min 2050 psi.  
 Flowback on 12/64" ck for 5 hrs &  
 died.

## PERFORATION RECORD

6-20-98	5171'-5174'	4 JSPF	12 holes
6-20-98	5176'-5180'	4 JSPF	16 holes
6-20-98	5204'-5212'	4 JSPF	32 holes
6-20-98	5228'-5238'	4 JSPF	40 holes
6-23-98	4806'-4810'	4 JSPF	16 holes
6-23-98	4878'-4885'	4 JSPF	28 holes
6-23-98	4897'-4902'	4 JSPF	20 holes
6-25-98	4210'-4216'	4 JSPF	24 holes
6-25-98	4231'-4239'	4 JSPF	32 holes
6-25-98	4242'-4249'	4 JSPF	24 holes

4210'-16'  
 4231'-39'  
 4242'-49'  
 4806'-10'  
 4878'-85'  
 4897'-4902'  
 5171'-74'  
 5176'-80'  
 5204'-12'  
 5228'-38'



Inland Resources Inc.

S. Wells Draw #7-10-9-16

1795 FNL 2053 FEL

SWNE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32042; Lease #U-72107

PBTD @ 5781'  
 TD @ 5850'  
 SN @ 5270'

## South Wells Draw #12-10-9-16

Spud Date: 4/28/98  
Put on Production: 6/5/98  
GL: 5712' KB: 5724'

Initial Production: 133 BOPD,  
287 MCFPD, 8 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (287')  
DEPTH LANDED: 288' (GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 14 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 141 jts. (5832')  
DEPTH LANDED: 5843'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 415 sk Hibond mixed & 350 sxs thixotropic  
CEMENT TOP AT: 1457' CBL

2373

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/N-80 tbg.  
NO. OF JOINTS: 167 jts.  
TUBING ANCHOR: 5148'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5277'  
SN LANDED AT: 5214'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-3/4" scraped, 104-3/4" plain rods, 95-3/4" scraped  
PUMP SIZE: 2-1/2 x 1-1/2 x 16 RHAC pump  
STROKE LENGTH: 72"  
PUMP SPEED, SPM: 8 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

5/26/98 5169'-5165' **Frac A-3 sand as follows:**  
104,640# 20/40 sand in 531 bbls Viking I-25 fluid. Perfs brokedown @ 2960 psi. Treated @ avg press of 2400 psi w/avg rate of 26 bpm. ISIP: 3100 psi, 5-min 2476 psi. Flowback on 12/64" choke for 3 hours and died.

5/28/98 4872'-4884' **Frac C sand as follows:**  
114,680# of 20/40 sand in 554 bbls Viking I-25 fluid. Perfs brokedown @ 2670 psi. Treated @ avg press of 2200 psi w/avg rate of 28 bpm. ISIP-2900 psi, 5-min 2170 psi. Flowback on 12/64" choke for 3.5 hours and died.

5/30/98 4706'-4711' **Frac D-1 sand as follows:**  
95,560# 20/40 sand in 503 bbls Viking I-25 fluid. Perfs brokedown @ 3753 psi. Treated @ avg press of 2400 psi w/avg rate of 24 bpm. ISIP: 2450 psi, 5-min 2250 psi. Flowback on 12/64" choke for 3.5 hours and died.

6/2/98 4191'-4254' **Frac GB-4 & GB-6 sands as follows:**  
111,500# of 20/40 sand in 506 bbls Viking I-25 fluid. Perfs brokedown @ 3810 psi. Treated @ avg press of 2063 psi w/avg rate of 28 bpm. ISIP-2250 psi, 5-min 1520 psi. Flowback on 12/64" choke for 3 hours and died.

PERFORATION RECORD

5/22/98	5169'-5176'	4 JSPF	28 holes
5/27/98	4872'-4884'	4 JSPF	48 holes
5/29/98	4706'-4711'	4 JSPF	20 holes
6/1/98	4191'-4196'	4 JSPF	20 holes
6/1/98	4249'-4254'	4 JSPF	20 holes

4191-96  
4249-54  
4706-11  
4872-84  
Anchor @ 5148'  
5169-76

SN @ 5214'  
EOT @ 5277'  
PBTD @ 5838'  
TD @ 5850'



Inland Resources Inc.

South Wells Draw #12-10-9-16

2130' FSL 629' FWL

NWSW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32046; Lease #UTU-72107

## S. Wells Draw #13-10-9-16

Spud Date: 8/15/98  
 Put on Production: 9/16/98  
 GL: 5738' KB: 5748' (10' KB)

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294')  
 DEPTH LANDED: 304' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt & 45 sxs Class 'G', est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 136 jts. (5834')  
 SET AT: 5843' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 280 sxs Premium modified mixed & 300 sxs class G  
 CEMENT TOP AT: Surface per cement bond log (Schlumberger)

2902

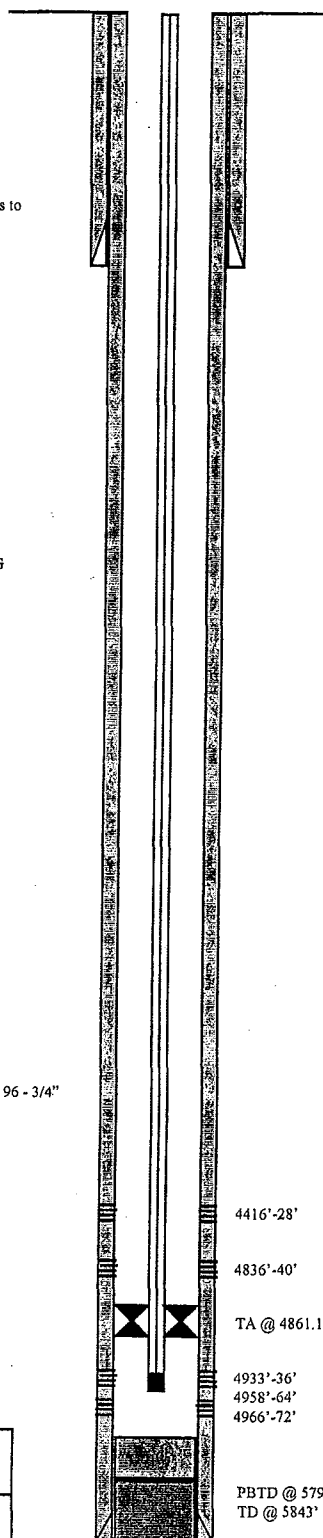
TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
 NO. OF JOINTS: 162 jts  
 TUBING ANCHOR: 4861.19' KB  
 SEATING NIPPLE: 2-7/8"  
 TOTAL STRING LENGTH: EOT @ 5053.06' KB  
 SN LANDED AT: 4988.98' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM  
 SUCKER RODS: 4 - 1-1/2" wt rods, 4 - 3/4" scraped, 95 - 3/4" plain. 96 - 3/4" scraped, 1 - 8' x 3/4" pony rods.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 10 x 14' RHAC Pump  
 STROKE LENGTH: 72"  
 PUMP SPEED, SPM: 8 SPM  
 LOGS: DIGL/SP/GR/CAL  
 SDL/DSN/GR

## Wellbore Diagram



Initial Production: 12 BOPD,  
 86 MCFD, 2 BWPD

FRAC JOB

9/11/98 4836'-4972' Frac B-1 & B-2 sand as follows:  
 112,100# 20/40 sand in 548 bbls Viking I-25. Perfs broke @ 3118 psi @ 21 BPM. Treated w/avg press of 2080 psi w/avg rate of 30.4 BPM. ISIP-2300 psi, 5 min 2180 psi. Flowback on 12/64" ck for 3.5 hrs & died.  
 9/12/98 4416'-4428' Frac PB-10 sand as follows:  
 8,220# 20/40 sand in 66 bbls Viking I-25 fluid. Perfs broke @ 3990 psi. Treated w/avg press of 2220 psi w/avg rate of 12.6 BPM. ISIP-1600 psi, 5 min 1485 psi. Flowback on 12/64" ck for 1 hr & died.

PERFORATION RECORD

9/9/98	4836'-4840'	4 JSPF	16 holes
9/9/98	4933'-4936'	4 JSPF	12 holes
9/9/98	4958'-4964'	4 JSPF	24 holes
9/9/98	4966'-4972'	4 JSPF	24 holes
9/9/98	4416'-4428'	4 JSPF	48 holes

4416'-28'

4836'-40'

TA @ 4861.19' KB

4933'-36'

4958'-64'

4966'-72'

PBT @ 5790'

TD @ 5843'



Inland Resources Inc.

S. Wells Draw #13-10-9-16

610 FSL 632 FWL

SWNE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32047; Lease #U-72107



## Castle Peak Federal #24-10A

Elev.GR - 5702' GL  
Elev.KB - 5712'  
Spud: 5/20/82

Spud: 5/20/82  
Put on production: 6/28/82

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 32#  
LENGTH:  
DEPTH LANDED: 260' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 190 sks

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH:  
DEPTH LANDED: 5997' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 1165 sks  
CEMENT TOP AT: 1160' KB

**TUBING**

SIZE/GRADE/WT.: 2-3/8"  
NO. OF JOINTS:  
TUBING ANCHOR: Note: no pulling unit  
NO. OF JOINTS: records on file since the  
SEATING NIPPLE: initial completion!!!  
PERFORATED SUB:  
MUD ANCHOR:  
STRING LENGTH:  
SN LANDED AT: 4815' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2"x22'  
SUCKER RODS: 1-3/4"x4' Pony  
1-3/4"x6' Pony  
176-3/4"x25' Plain  
14-3/4"x25' Strapped Roc  
1-3/4"x2' Pony  
TOTAL STRING LENGTH: 4784'

PUMP NUMBER:  
PUMP SIZE: 1-1/2"x2"x16' RWBC

STROKE LENGTH:  
PUMP SPEED, SPM:  
PUMPING UNIT:  
PRIME MOVER:

**ACID JOB / BREAKDOWN**

6/10/82	5560'-5580'	Dowell: 1000 gal 7-1/2% HCL.
6/11/82	5259'-5272'	Dowell: 1000 gal 7-1/2% HCL.
6/12/82	4822'-4832'	Dowell: 1000 gal 7-1/2% HCL.

**FRAC JOB**

6/10/82	5560'-5580'	Dowell: 24,000 gal YF4SPD fluid w/ 33,000# 20/40 sand, 12,000# 10/20 sand. ATP=1450 psi, ATR=12 bpm, ISIP=1700 psi, 15 min=1600 psi, 20 min=1600 psi.
6/11/82	5259'-5272'	Dowell: 20,580 gal YF4PSD fluid w/ 29,000# 20/40 sand, 6,320# 10/20 sand. ATP=2100 psi, ATR=10 bpm, ISIP=3800 psi, 15 min=2300 psi, 20 min=2200 psi.
6/12/82	4822'-4832'	Dowell: 9,582 gal YF4PSD fluid w/ 9,328# 20/40 sand. ATP=1950 psi, ATR=10 bpm, ISIP=3400 psi, 15 min=3100 psi, 20 min=3100 psi.

**PERFORATION RECORD**

6/9/82	5560'-5580'	2 SPF
6/11/82	5259'-5272'	2 SPF
6/12/82	4822'-4832'	2 SPF

4822'-4832'

5259'-5272'

5560'-5580'

SN LANDED @ 4815' KB  
EOT LANDED @ ' KB

PBTD @ 5959' KB  
TD @ 6021' KB



Inland Resources Inc.

Castle Peak Federal #24-10A  
Monument Butte  
U-017985  
SE SW Section 10, T9S, R16E  
660' FSL, 1980' FWL  
Duchesne County, Utah

Spud Date: 3-1-97

## Monument Federal #33-10-9-16

Put on Production: 4-3-97

GL: 5646' KB: 5656'

Initial Production: 70 BOPD,  
74 MCFD, 0 BWPD

## Wellbore Diagram

## SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 5 jts @ 252.20  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 262.20'  
 CEMENT DATA: 160 sx Class G, est 10 bbls cmt to surface

## FRAC JOB

3-21-97 5142'-5174'

Frac sand as follows:  
 24,822 gals 2% KCL gelled water,  
 23,932# 20/40 sand, & 59,116#  
 16/30 sand. Avg treating press of  
 1975 psi w/avg rate of 26.8 BPM.  
 ISIP-2400 psi, 5 min 1740 psi.

## PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 136 jts @ 5765.87'  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5775.87'  
 CEMENT DATA: 160 sx Premium Lite &  
 330 sx 50/50 Poz  
 CEMENT TOP AT: 1100' per CBL

1318

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 165 jnts  
 TUBING ANCHOR: 5084'  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 5209'97"  
 SN LANDED AT: 5209'97"  
 EOT: 5244

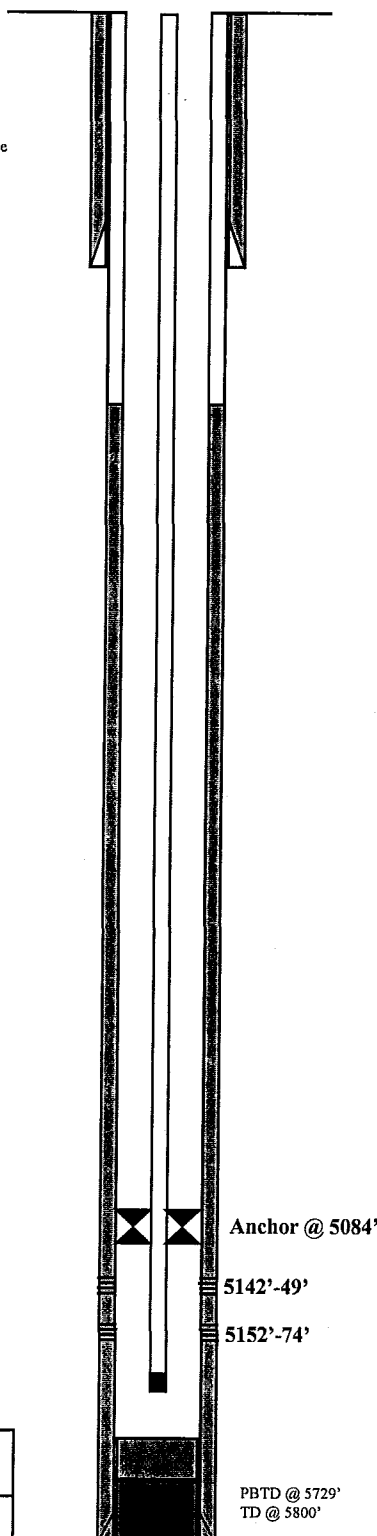
LOGS:

## SUCKER RODS

POLISH ROD: 1-1/4" x 22'  
 PUMP SIZE: 2-7/8" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 103"  
 PUMP SPEED: 5 SPM  
 RODS: 1 - 2'x1" scapered pony rod(above pump),  
 1 - 1-1/2" weight rod, 6 - 1", 16 - 3/4" scapered  
 rods, 183 - 3/4" plain rods, 1 - 8'x3/4" pony rod.

## PERFORATION RECORD

3-20-97 5142'-5149' 4 JSPP 28 holes  
 3-20-97 5152'-5174' 4 JSPP 88 holes



Inland Resources Inc.

Monument Federal #33-10-9-16

1980 FSL 1980 FEL

NWSE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31722; Lease #U-72107

PBTD @ 5729'  
 TD @ 5800'

## Balcron Monument Federal #34-10J

Wellbore Diagram

Put on production 2/15/94

Elev. Gr @ 5716'  
 Elev. @ KB 5726' (10' KB)  
 Spud: 1/13/94

## SURFACE CASING

8-5/8", 24#, J-55  
 Length @ 266.87'  
 Hole Size @ 12-1/4"  
 Depth landed @ 274' KB  
 Cemented w/ 150 sxs Class Class  
 1/4#/sx Celoflake  
 5 BBLs return.

## PRODUCTION CASING

5-1/2", K-55, 15.5#  
 Length @ 5836.04'  
 Depth landed @ 5832.04' KB  
 Cemented w/ 110 sxs Hilift &  
 290 sxs Class "G"  
 Top of Cement @ 2735' from CBL

2800

## TUBING INJECTION STRING

Injection Equipment & Size	Length FT.	Setting Depth FT. (w/ 10' KB)
KB	10.00	
1) 146 jnts 2 7/8" tbg	4606.62	4616.62
2) 2 7/8" SN (2.25" ID)	1.10	4617.72
3) 5.5" Arrow Set-1 Pkr	7.00	4624.72
End of Tubing		4624.72

Injection Packers Set 10-5-94 By Mn States.

2 7/8" SN ID @ 2.25"  
 Arrow Set-1 Pkr set w/ 16" Tension.  
 Packer fluid - 55 gals Champion Cortron #23-83  
 w/ 60 STBW

## Injection Horizons

4700' - 4711' (11')	RED 1
4865' - 4872' (7')	RED 5
5015' - 5019' (4')	GREEN 1

Tracer Survey ran 12-22-94

UTAH CAUSE NO.:

UIC-152

- 274' KB

- Utah Formation @ Surface to 1400'

Top of Cement @ 2735' KB from CBL.

- Green River Formation @ 1400' to 4100'

&lt;-- Arrow Set-1 Packer @ 4625' KB

## PERFORATION RECORD

4700' - 11' (2 SPF)	RED 1
4865' - 72' (1 SPF)	RED 5
5015' - 19' (2 SPF)	GREEN 1

- Douglas Creek Member @ 4100' to 5350'

PBTD @ 5787.54' KB

TD @ 5850' KB

- Wasatch Formation Transition @ 5350' to 6000'

- Wasatch Formation @ 6000'



Inland Resources Inc.

BALCRON MONUMENT FEDERAL #34-10J  
 SWSE Section 10, T9S, R16E  
 592' FSL & 1979' FEL  
 Jonah Unit/Monument Butte Field  
 Lease No. U-017985  
 Duchesne County, Utah

Spud Date: 1-25-97

Put on Production: 2-26-97

GL: 5668.6' KB: 5678.6' (10'KB)

## Monument Federal #43-10-9-16

## Wellbore Diagram

Initial Production: 84 BOPD,  
38 MCFD, 0 BWPD

## SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 5 jts @ 254.25'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 264.25'  
 CEMENT DATA: 160 sx Class G, est 5 bbls cmt to surface

## FRAC JOB

2-07-97 5175'-5203' Frac sand as follows:  
 23,562 gals 2% KCL gelled water,  
 22,500# 20/40 sand, & 55,800# 16/30  
 sand. Avg treating press of 1950 psi  
 w/avg rate of 30 BPM. ISIP-2450 psi, 5  
 min 1670 psi.

2-24-97 4724'-4730' Frac sand as follows:  
 10,668 bbls 2% KCL gelled water,  
 14,190# 16/30 sand. Avg treating press  
 of 2500 psim w/avg rate of 22.8 BPM.  
 ISIP-2200 psi, 5 min 1760 psi.

## PRODUCTION CASING

SIZE: 5 1/2"  
 GRADE: J-55  
 WEIGHT: 15.5 #  
 LENGTH: 140 jts @ 5742.28  
 HOLE SIZE: 7 7/8"  
 DEPTH LANDED: 5786.33'KB  
 CEMENT DATA: 180 sx Premium Lite &  
 400 sx 50/50 Poz  
 CEMENT TOP AT: 1050' per CBL

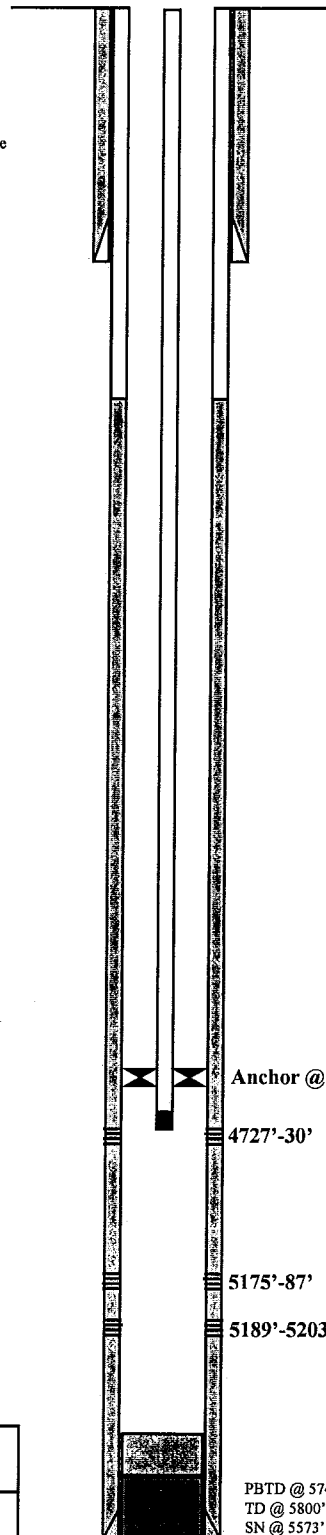
2693

## TUBING RECORD

SIZE/GRADE/WT.: 2 7/8", M-50, 6.5 lbs  
 NO. OF JOINTS: 179 jts  
 TUBING ANCHOR: 4701.24'KB  
 SEATING NIPPLE: 2 7/8" (1.10")  
 TOTAL STRING LENGTH: 4698.08'  
 SN LANDED AT: 5573.18'KB  
 EOT: 5608.08' KB

## SUCKER RODS

POLISH ROD: 1-1/4" x 22'  
 PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC  
 STROKE LENGTH: 86"  
 PUMP SPEED: 3 SPM  
 220-3/4" plain, 1-8' x 3/4" pony  
 1 - 2'x7/8" scraped pony rod  
 1 - 1-1/2" weight rod  
 1 - 2'x7/8" scraped pony rod  
 pump.



Anchor @ 4701'

4727'-30'

5175'-87'

5189'-5203'

PBTD @ 5749'  
 TD @ 5800'  
 SN @ 5573'

## PERFORATION RECORD

2-06-97	5175'-5187'	4 JSPF	48 holes
2-06-97	5189'-5203'	4 JSPF	56 holes
2-21-97	4727'-4730'	4 JSPF	12 holes



Inland Resources Inc.

Monument Federal #43-10-9-16

1914 FSL 722 FEL

NESE Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-31723; Lease #U-72107

Spud Date: 2-7-94

Put on Production:

GL: 5737.20' KB: 5747.20'

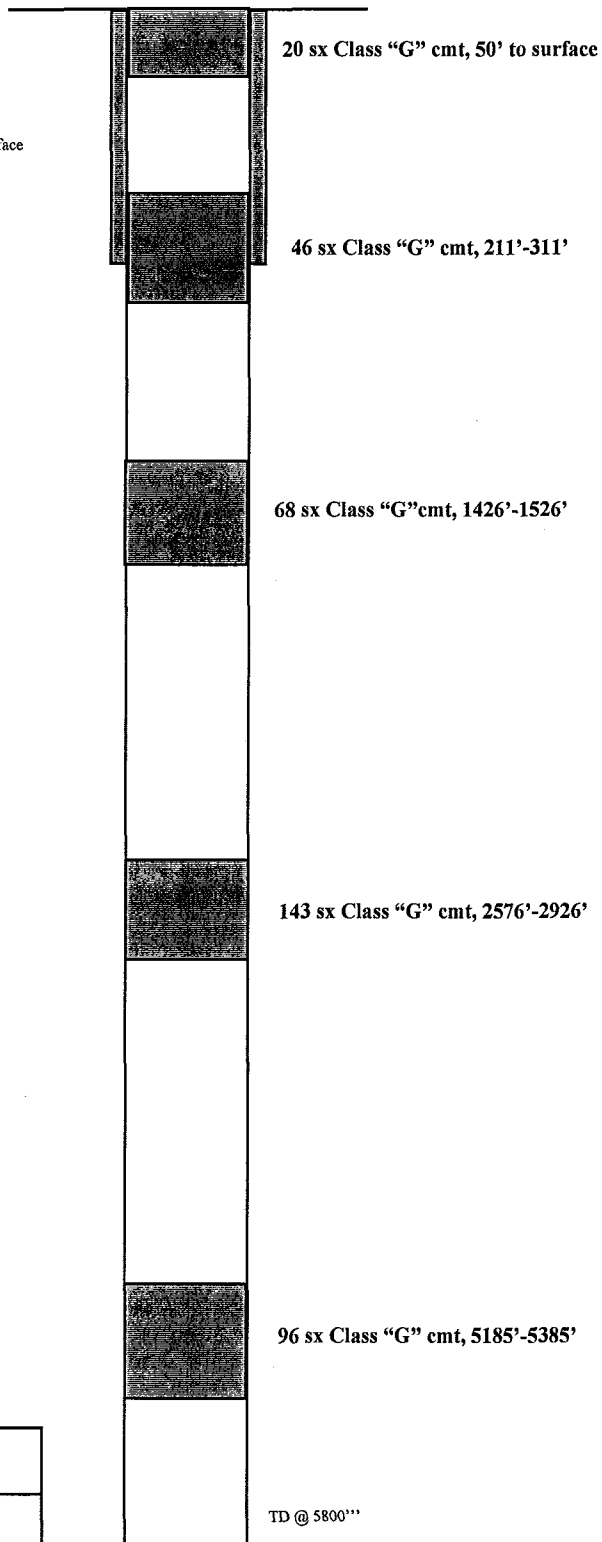
## Balcron Monument Federal #21-15J

Wellbore Diagram

SURFACE CASING

SIZE: 8 5/8"  
 GRADE: J-55  
 WEIGHT: 24 #  
 LENGTH: 5 jts @ 205.74'  
 HOLE SIZE: 12 1/4"  
 DEPTH LANDED: 249.40  
 CEMENT DATA: 150 sx Class G, est 3 bbls cmt to surface

OK



Inland Resources Inc.

Balcron Monument Federal #21-15J

645 FNL 1830 FWL

NWNE Section 15-T9S-R16E

Duchesne Co, Utah

API #43-013-31422; Lease #U-017985

## South Wells Draw #9-9-16

Spud Date: 5/20/98  
Put on Production: 7/15/98  
GL: 5736' KB: 5748'

Initial Production: 80 BOPD,  
60 MCFPD, 20 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (310')  
DEPTH LANDED: 311'(GL)  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 135 jts. (5830.81')  
DEPTH LANDED: 5842.06'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 350 sx 28:72 POZ type III & 360 sk Class G  
CEMENT TOP AT: 2907' CBL  
2908

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/M-50 tbg.  
NO. OF JOINTS: 169 jts.  
TUBING ANCHOR: 5131'  
SEATING NIPPLE: 2-7/8" (1.10')  
TOTAL STRING LENGTH: EOT @ 5259'  
SN LANDED AT: 5196'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.  
SUCKER RODS: 4-3/4" scraped, 103-3/4" plain rods, 96-3/4" scraped  
PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC pump  
STROKE LENGTH: 74"  
PUMP SPEED, SPM: 9.5 SPM  
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

7/2/98 5145'-5186'

**Frac A-3 sand as follows:**  
101,290# 20/40 sand in 455 bbls Viking I-25 fluid. Perfs brokedown @ 2902 psi. Treated @ avg press of 3000 psi w/avg rate of 30 bpm. Due to rapidly increasing pressure, sand was cut @ blender @ 9.6#. Flushed 63 bbls before perfs locked up w/9.5 sand @ perfs. ISIP: 3600 psi, 5-min 2877 psi. Flowback on 12/64" choke for 2.5 hours and died.

7/7/98 5026'-5034'

**Frac B-2 sand as follows:**  
96,120# of 20/40 sand in 516 bbls Viking I-25 fluid. Perfs brokedown @ 3770 psi. Treated @ avg press of 1950 psi w/avg rate of 30 bpm. ISIP: 2050 psi, 5-min 1915 psi. Flowback on 12/64" choke for 3.5 hours and died.

7/9/98 4720'-4744'

**Frac D-1 sand as follows:**  
88,475# 20/40 sand in 497 bbls Viking I-25 fluid. Perfs brokedown @ 3212 psi. Treated @ avg press of 2000 psi w/avg rate of 26 bpm. ISIP: 2340 psi, 5-min 2000 psi. Flowback on 12/64" choke for 4.5 hours and died.

7/11/98 4188'-4232'

**Frac GB-4 sands as follows:**  
93,342# of 20/40 sand in 587 bbls Viking I-25 fluid. Perfs brokedown @ 3100 psi. Treated @ avg press of 1600 psi w/avg rate of 26.4 bpm. ISIP: 2116 psi, 5-min 1857 psi. Flowback on 12/64" choke for 2 hours and died.

PERFORATION RECORD

7/1/98	5145'-5148'	4 JSPF	12 holes
7/1/98	5174'-5186'	4 JSPF	48 holes
7/7/98	5026'-5034'	4 JSPF	32 holes
7/8/98	4720'-4725'	4 JSPF	20 holes
7/8/98	4742'-4744'	4 JSPF	8 holes
7/10/98	4188'-4194'	4 JSPF	24 holes
7/10/98	4206'-4210'	4 JSPF	16 holes
7/10/98	4214'-4217'	4 JSPF	12 holes
7/10/98	4227'-4232'	4 JSPF	20 holes

Anchor @ 5131'

5145'-5148'  
5174'-5186'SN @ 5196'  
EOT @ 5259'  
PBTD @ 5788'  
TD @ 5850'

Inland Resources Inc.

South Wells Draw #9-9-16

2081' FSL 720' FEL

NESE Section 9-T9S-R16E

Duchesne Co, Utah

API #43-013-32043; Lease #U-40894

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Office (435) 722-5066  
Fax (435) 722-5727

Attachment F-1

## WATER ANALYSIS REPORT

Company INLAND PRODUCTION Address \_\_\_\_\_ Date 1-27-00

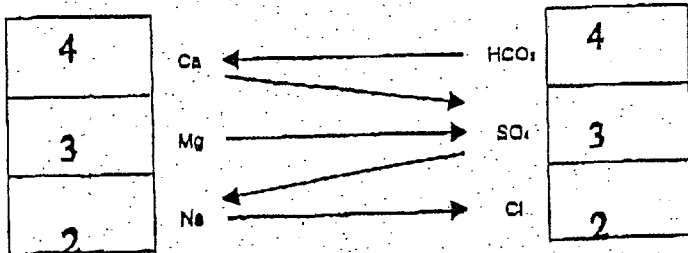
Source JOHNSON Date Sampled 1-26-00 Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Meq/l
1. PH	<u>7.4</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>600</u>	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub>	<u>0</u>	+ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	<u>240</u>	+ 61 <u>4</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	OH	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>71</u>	+ 35.5 <u>2</u> Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	<u>130</u>	+ 48 <u>3</u> SO <sub>4</sub>
10. Calcium (Ca)	Ca	<u>72</u>	+ 20 <u>4</u> Ca
11. Magnesium (Mg)	Mg	<u>41</u>	+ 12.2 <u>3</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>350</u>	
13. Total Iron (Fe)		<u>0.6</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

Compound	Eqvly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	11.04	<u>4</u>			<u>324</u>
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19	<u>3</u>			<u>181</u>
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	64.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	<u>2</u>			<u>117</u>



#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

REMARKS \_\_\_\_\_

# UNICHEM

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84088

Attachment F-2

Office (435) 722-5086  
Fax (435) 722-5727

## WATER ANALYSIS REPORT

Company INLAND PRODUCTION

Address \_\_\_\_\_

Date 8-25-99

Source MBIF

Date Sampled 8-25-99

Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mag/l
1. PH	8.0		
2. H <sub>2</sub> S (Qualitative)	0		
3. Specific Gravity	1.001		
4. Dissolved Solids		688	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> 0	+ 30 0 CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> 430	+ 61 7 HCO <sub>3</sub>
7. Hydroxyl (OH)		OH 0	+ 17 0 OH
8. Chlorides (Cl)		Cl 71	+ 35.5 2 Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> 0	+ 48 0 SO <sub>4</sub>
10. Calcium (Ca)		Ca 40	+ 20 2 Ca
11. Magnesium (Mg)		Mg 12	+ 12.2 1 Mg
12. Total Hardness (CaCO <sub>3</sub> )		150	
13. Total Iron (Fe)		13	
14. Manganese		0	
15. Phosphate Residuals			

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION

2	Ca	HCO <sub>3</sub>	7
1	Mg	SO <sub>4</sub>	0
0	Na	Cl	2

#### Saturation Values

CaCO<sub>3</sub>

CaSO<sub>4</sub> · 2H<sub>2</sub>O

MgCO<sub>3</sub>

#### Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Eqvly. Wt.	X	Mg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	2			162
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	1			73
MgSO <sub>4</sub>	60.18				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	4			336
Na <sub>2</sub> SO <sub>4</sub>	71.03				
NaCl	58.48	2			117

REMARKS \_\_\_\_\_



**UNICHEM**

A Division of BJ Services

435 722 5727

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F3

Office (435) 722-5066  
Fax (435) 722-5727**WATER ANALYSIS REPORT**

Company Inland Address \_\_\_\_\_ Date 1/19/01  
 Source So. Wells Draw Date Sampled 1/18/01 Analysis No. \_\_\_\_\_  
11-10-9-16

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.6</u>		
2. H <sub>2</sub> S (Qualitative)	<u>5.0</u>		
3. Specific Gravity	<u>1.012</u>		
4. Dissolved Solids		<u>12,276</u>	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub>	<u>240</u>	+ 30 <u>8</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	<u>976</u>	+ 61 <u>16</u> HCO <sub>3</sub>
7. Hydroxyl (OH)	OH	<u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>6,372</u>	+ 35.5 <u>180</u> Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	<u>0</u>	+ 48 <u>0</u> SO <sub>4</sub>
10. Calcium (Ca)	Ca	<u>6</u>	+ 20 <u>0</u> Ca
11. Magnesium (Mg)	Mg	<u>13</u>	+ 12.2 <u>1</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>70</u>	
13. Total Iron (Fe)		<u>1.1</u>	
14. Manganese			
15. Phosphate Residuals			

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**

0	Ca	HCO <sub>3</sub>	24
1	Mg	SO <sub>4</sub>	0
203	Na	Cl	180

**Saturation Values****Distilled Water 20°C**

CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

**Complete & Compatibility**

Compound	Eq. Wt.	X	Meg/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04				
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		1		73
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62		23		1,932
NaHCO <sub>3</sub>	84.00				
Na <sub>2</sub> SO <sub>4</sub>	71.03		180		10,523
NaCl	58.46				

REMARKS \_\_\_\_\_

Received Time-Jan.22.-11:27AM

435 722 5727

Attachment F-4

## AQUAMIX SCALING PREDICTIONS

COMPANY: Inland Production  
 LOCATION:  
 SYSTEM:

1/19/01

WATER DESCRIPTION:  
 P-ALK AS PPM CaCO<sub>3</sub>  
 M-ALK AS PPM CaCO<sub>3</sub>  
 SULFATE AS PPM SO<sub>4</sub>  
 CHLORIDE AS PPM Cl  
 HARDNESS AS PPM CaCO<sub>3</sub>  
 CALCIUM AS PPM CaCO<sub>3</sub>  
 MAGNESIUM AS PPM CaCO<sub>3</sub>  
 SODIUM AS PPM Na  
 BARIUM AS PPM Ba  
 STRONTIUM AS PPM Sr  
 CONDUCTIVITY  
 TOTAL DISSOLVED SOLIDS  
 TEMP (DEG-F)  
 SYSTEM pH

Johnson Water

0  
 393  
 130  
 71  
 0  
 180  
 169  
 46  
 0  
 0  
 0  
 600  
 100  
 7.4

So. Wells Draw 11-10-9-16

401  
 1601  
 0  
 6372  
 0  
 15  
 54  
 4689  
 0  
 0  
 0  
 12276  
 100  
 9.6

## WATER COMPATIBILITY CALCULATIONS

Johnson Water AND So. Wells Draw 11

CONDITIONS: pH=8.5. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

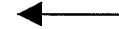
WATER ONE IS Johnson Water

% Water	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.43	58	0	0	0
90	1.44	54	0	0	0
80	1.43	48	0	0	0
70	1.39	43	0	0	0
60	1.33	37	0	0	0
50	1.26	32	0	0	0
40	1.17	26	0	0	0
30	1.06	20	0	0	0
20	.91	14	0	0	0
10	.70	8	0	0	0
0	.35	2	0	0	0

**Attachment "G"**

**South Wells Draw Federal #11-10-9-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5127	5165	5146	3000	1.016	2978
4831	4841	4836	2350	0.919	2337
4673	4678	4676	2500	0.968	2489
4150	4218	4184	2300	0.983	2272
				<b>Minimum</b>	<u>2272</u>



**Calculation of Maximum Surface Injection Pressure**

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$$



Attachment G-1

## DAILY COMPLETION REPORT

WELL NAME S. WELLS DRAW 11-10 Report Date 5/22/98 Completion Day 3  
Present Operation Perf C sds. Rig Flint #2

## WELL STATUS

Surf Csg: 8-5/8 @ 300' KB Liner        @        Prod Csg 5-1/2 @ 5825 Csg PBTD 5775  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @        BP/Sand PBTD:       

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
<u>A</u>	<u>5127-30'</u>	<u>4/12</u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>A</u>	<u>5147-55'</u>	<u>4/32</u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>A</u>	<u>5159-65'</u>	<u>4/24</u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 5/21/98 SITP: 0 SICP: 0  
IFL @ 5200'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU BJ Services & frac A sds w/97,420# 20/40 sd in 494 bbls Viking I-25 fluid. Perfs broke dn @ 3185 psi. Treated @ ave press of 2200 psi w/ave rate of 28 BPM. ISIP: 3000 psi, 5 min: 2640 psi. Flowback on 12/64 choke for 4 hrs & died. Rec 95 BTF (est 19% of load). SIFN w/est 399 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>494</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>95</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>399</u>	Cum oil recovered	<u>0</u>
IFL <u>5200</u> FFL <u>5200</u> FTP <u>      </u>		Choke <u>12/64</u> Final Fluid Rate <u>      </u>	Final oil cut <u>      </u>

## STIMULATION DETAIL

## COSTS

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services  
Procedure:         
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
7000 gal w/6-8 ppg of 20/40 sd  
4766 gal w/8-10 ppg of 20/40 sd  
Flush w/4998 gal of 10# Linear gel

Flint rig	<u>742</u>
BOP	<u>135</u>
Tanks	<u>50</u>
Wtr	<u>750</u>
HO Trk	<u>720</u>
Frac	<u>18,631</u>
Flowback - super	<u>160</u>
IPC Supervision	<u>200</u>

Max TP 3185 Max Rate 28 Total fluid pmpd: 494 bbls  
Avg TP 2200 Avg Rate 28 Total Prop pmpd: 97,420#  
ISIP 3000 5 min 2640 10 min        15 min         
Completion Supervisor: Gary Dietz

DAILY COST: \$21,388  
TOTAL WELL COST: \$207,395



Attachment G-2

## DAILY COMPLETION REPORT

WELL NAME S. WELLS DRAW 11-10 Report Date 5/27/98 Completion Day 5  
Present Operation Perf D sds Rig Flint #2

## WELL STATUS

Surf Csg: 8-5/8 @ 300' KB Liner        @        Prod Csg 5-1/2 @ 5825 Csg PBTD 5775  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @        BP/Sand PBTD: 4927

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
C	5831-41'	4/40			
A	5127-30'	4/12			
A	5147-55'	4/32			
A	5159-65'	4/24			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 5/26/98 SITP: 0 SICP: 0  
IFL @ 4700'. Made 1 dry swb. run. TOH w/tbg. NU isolation tool. RU, BJ Services and frac C sds w/97,480# 20/40 sd in 508 bbls. Viking I-25 fluid. Perfs broke dn @ 2860 psi. Treated @ ave press of 2100 psi w/ave rate of 26 BPM. ISIP-2350 psi, 5 min-2230 psi. Flowback on 12/64 choke for 6 hrs & died. Rec 215 BTF (est 42% of load). SIFN w/est 590 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>297</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>293</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>590</u>	Cum oil recovered	<u>0</u>
IFL <u>4700</u> FFL <u>4700</u> FTP <u>      </u>		Choke <u>12/64</u> Final Fluid Rate <u>      </u>	Final oil cut <u>      </u>

## STIMULATION DETAIL

Base Fluid used: Viking I-25 Job Type: Sand Frac  
Company: BJ Services  
Procedure:         
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
7000 gal w/6-8 ppg of 20/40 sd  
5620 gal w/8-10 ppg of 20/40 sd  
Flush w/4746 gal of 10# Linear gel

## COSTS

Flint rig	<u>725</u>
BOP	<u>135</u>
Tanks	<u>80</u>
Wtr	<u>700</u>
HO Trk	<u>630</u>
Frac	<u>19,045</u>
Flowback - super	<u>240</u>
IPC Supervision	<u>200</u>

Max TP 2860 Max Rate 26.5 Total fluid pmpd: 508 bbls  
Avg TP 2100 Avg Rate 26 Total Prop pmpd: 97,480#  
ISIP 2350 5 min 2230 10 min        15 min         
Completion Supervisor: Gary Dietz

DAILY COST: \$21,755  
TOTAL WELL COST: \$232,893



## DAILY COMPLETION REPORT

WELL NAME S. WELLS DRAW 11-10 Report Date 5/29/98 Completion Day 7  
Present Operation Perf GB sds. Rig Flint #2

## WELL STATUS

Surf Csg: 8-5/8 @ 300' KB Liner          @          Prod Csg 5-1/2 @ 5825 Csg PBDT 5775  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @          BP/Sand PBDT: 4760

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D	4673-78'	4/20	A	5159-65'	4/24
C	5831-41'	4/40			
A	5127-30'	4/12			
A	5147-55'	4/32			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 5/28/98 SITP: 0 SICP: 0  
IFL @ 3600'. Made 4 swb runs, rec 17 BTF w/tr oil. FFL 2 runs @ 4500'. TOH w/tbg. NU isolation tool. RU BJ Services and frac D sds w/88,960# 20/40 sd in 476 bbls Viking I-25 fluid. Perfs broke dn @ 3447 psi. Treated @ ave press of 2350 psi w/ave rate of 24 BPM. ISIP-2500 psi, 5 min-2130 psi. Flowback on 12/64 choke for 2 hrs & died. Rec 93 BTF (est 20% of load). SIFN w/est 830 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	464	Starting oil rec to date	0
Fluid lost/recovered today	366	Oil lost/recovered today	0
Ending fluid to be recovered	830	Cum oil recovered	0
IFL <u>3600</u> FFL <u>4500</u> FTP <u>        </u>		Choke <u>12/64</u> Final Fluid Rate <u>        </u>	Final oil cut <u>        </u> Tr. <u>        </u>

## STIMULATION DETAIL

## COSTS

Base Fluid used: Viking I-25 Job Type: Sand frac  
Company: BJ Services  
Procedure:           
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
7000 gal w/6-8 ppg of 20/40 sd  
4347 gal w/8-10 ppg of 20/40 sd  
Flush w/4662 gal of 10# Linear gel

Flint rig	807
BOP	135
Tanks	50
Wtr	650
HO Trk	675
Frac	18,092
Flowback - super	80
IPC Supervision	200

Max TP 3456 Max Rate 24.9 Total fluid pmpd: 476 bbls  
Avg TP 2350 Avg Rate 24 Total Prop pmpd: 88,960#  
ISIP 2500 5 min 2130 10 min          15 min           
Completion Supervisor: Gary Dietz

DAILY COST: \$20,689  
TOTAL WELL COST: \$257,013



Attachment G-4

## DAILY COMPLETION REPORT

WELL NAME S. WELLS DRAW 11-10 Report Date 5/31/98 Completion Day 9  
Present Operation Pull plug. CO PBTD. Swab well. Rig Flint #2

## WELL STATUS

Surf Csg: 8-5/8 @ 300' KB Liner        @        Prod Csg 5-1/2 @ 5825 Csg PBTD 5775  
Tbg: Size 2-7/8 Wt 6.5# Grd M-50 Pkr/EOT @        BP/Sand PBTD: 4298

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB	4150-60'	4/40	A	5127-30'	4/12
GB	4199-4218'	4/76	A	5147-55'	4/32
D	4673-78'	4/20	A	5159-65'	4/24
C	5831-41'	4/40			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 5/30/98 SITP: 0 SICP: 0  
IFL @ 4100'. Made 1 dry swab run. TOH w/tbg. NU isolation tool. RU BJ Services & frac GB sds w/105,300# 20/40 sd in 513 bbls Viking I-25 fluid. Perfs broke dn @ 3320 psi. Treated @ ave press of 1900 psi w/ave rate of 28 BPM. ISIP: 2300 psi, 5 min: 2180 psi. Flowback on 12/64 choke for 5 hrs & died. Rec 180 BTF (est 35% of load). SIFN w/est 1074 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>741</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>333</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>1074</u>	Cum oil recovered	<u>0</u>
IFL <u>4100</u> FFL <u>4100</u> FTP <u>      </u>		Choke <u>12/64</u> Final Fluid Rate <u>      </u>	Final oil cut <u>      </u>

## STIMULATION DETAIL

## COSTS

Base Fluid used: Viking I-25 Job Type: Sand Frac  
Company: BJ Services  
Procedure:         
3000 gal of pad  
1000 gal w/1-6 ppg of 20/40 sd  
8000 gal w/6-8 ppg of 20/40 sd  
5487 gal w/8-10 ppg of 20/40 sd  
Flush w/4074 gal of 10# Linear gel

Flint rig	870
BOP	135
Tanks	50
Wtr	700
HO Trk	680
Frac	19,556
Flowback - super	200
IPC Supervision	200

Max TP 3320 Max Rate 28 Total fluid pmpd: 513 bbls  
Avg TP 1900 Avg Rate 28 Total Prop pmpd: 105,300#  
ISIP 2300 5 min 2180 10 min        15 min         
Completion Supervisor: Gary Dietz

DAILY COST: \$22,391  
TOTAL WELL COST: \$284,496

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 183' plug from 5027'-5210' with 30 sx Class "G" cement.
2. Plug #2 Set 318' plug from 4573'-4891' with 30 sx Class "G" cement.
3. Plug #3 Set 218' plug from 4050'-4268' with 30 sx Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
5. Plug #5 Set 100' plug from 243'-343' (50' on either side of casing shoe) with 15 sx Class "G" cement.
6. Plug #6 Set 50' plug from surface with 10 sx Class "G" cement.
7. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 293' to surface.

The approximate cost to plug and abandon this well is \$18,000.



## South Wells Draw #11-10

Spud Date: 4/23/98  
 Put on Production: 6/3/98  
 GL: 5668' KB: 5680'

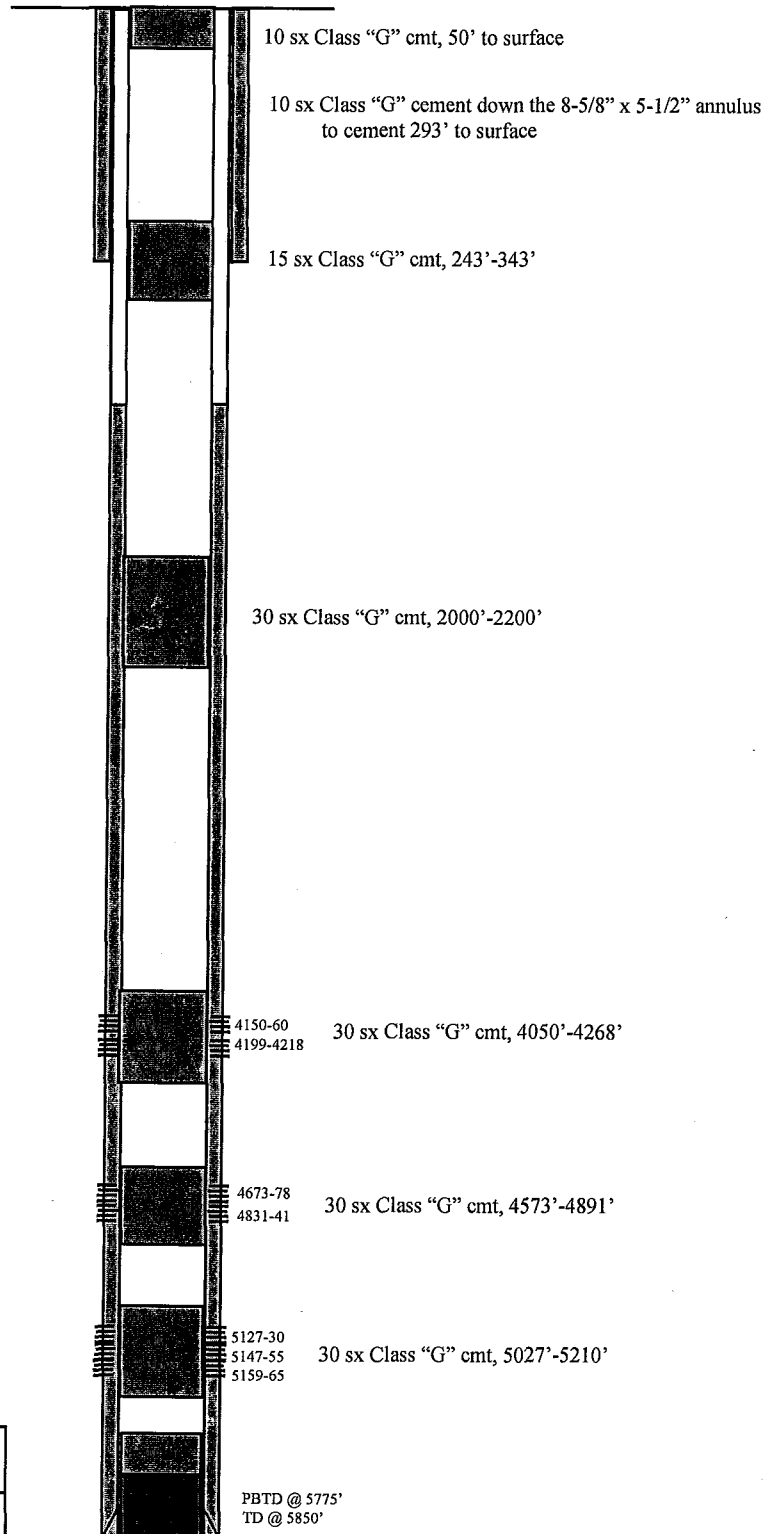
## Proposed P&amp;A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293')  
 DEPTH LANDED: 293' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5815')  
 DEPTH LANDED: 5825'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
 CEMENT TOP AT: 1669' CBL



Inland Resources Inc.

South Wells Draw #11-10

1606' FSL 1898' FWL

NESW Section 10-T9S-R16E

Duchesne Co, Utah

API #43-013-32045; Lease #UTU-72107

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company      **Well:** South Wells Draw 11-10-9-16

**Location:** 10/9S/16E      **API:** 43-013-32045

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the South Wells Draw Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review. Inland and other various individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the South Wells Draw Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 293 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 5825 feet and has a cement top at 3109'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4100 feet. A mechanical integrity test will be run on the well prior to injection. There are 9 producing wells and 1 injection well in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 1700 feet. Injection shall be limited to the interval between 4150 feet and 5165 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 11-10-9-16 well is .983 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2272 psig. The requested maximum pressure is 2272 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**South Wells Draw 11-10-9-16**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the South Wells Draw Unit July 16, 2001. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date 06/12/2001

## INJECTION WELL - PRESSURE TEST

Well Name South Wells Draw 11-10-9-16 API Number 43-013-32045  
Qtr/Qtr: NE/SW Section: 10 Township: 9S Range: 16E  
Company Name: INLAND PRODUCTION COMPANY  
Lease: State \_\_\_\_\_ Fee \_\_\_\_\_ Federal X Indian \_\_\_\_\_  
Inspector: Dennis L. Agnew Date 09/26/81

**Initial Conditions:**

Tubing - Rate \_\_\_\_\_ Pressure 275 psi

Casing/Tubing Annulus - Pressure: 1020 psi

**Conditions During Test:**

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1020	275
5	1020	275
10	1020	275
15	1020	275
20	1020	275
25	1020	275
30	1020	275

**Results:** Pass/Fail

### Conditions After Test:

Tubing Pressure: 275 psi

Casing/Tubing Annulus Pressure: 1020 psi

COMMENTS: Tested @ 10:00am. Also used Chart  
Tested because of original conversion

  
Operator Representative

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Dennis Ferguson Date 9/16/01 Time 10:00 am pm

Test Conducted by: Sody Melton

Others Present: Verdell MAX

Well: 11-10-9-16

Field: South Wells Draw

Well Location: Quahesne County  
NE/SW 10-795-R16E

API No: 43-013-32045  
UTN- 72107

Time	Casing Pressure
0 min	<u>1020</u> psig
5	<u>1020</u> psig
10	<u>1020</u> psig
15	<u>1020</u> psig
20	<u>1020</u> psig
25	<u>1020</u> psig
30 min	<u>1020</u> psig
35	_____ psig
40	_____ psig
45	_____ psig
50	_____ psig
55	_____ psig
60 min	_____ psig

Tubing pressure: 275 psig

Result: ☒ Pass ☐ Fail

Signature of Witness:

Dennis L. Ferguson

Signature of Person Conducting Test:

Sody Melton

MIDNIGHT

NOON

GRAPHIC CONTROLS CORPORATION  
BUFFALO, NEW YORK

CHART NO. MC MP-2500

METER *Barlow*

CHART PUT ON *12:00 PM*

TAKEN OFF

LOCATION *SWD 7-10-9-16*

REMARKS *MIT*  
*July*

PRINTED IN U.S.A.

6 PM

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>UTU-72107</b>	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  N/A	
<b>OIL</b> <input type="checkbox"/> <b>GAS</b> <input type="checkbox"/> <b>WELL</b> <input type="checkbox"/> <b>WELL</b> <input type="checkbox"/> <b>OTHER</b> <input checked="" type="checkbox"/> <b>Injection</b>		<b>7. UNIT AGREEMENT NAME</b>  NA	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>8. FARM OR LEASE NAME</b> <b>S. WELLS DRAW 11-10-9-16</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		<b>9. WELL NO.</b> <b>S. WELLS DRAW 11-10-9-16</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SW Section 10, T09S R16E</b> <b>1806 FSL 1896 FWL</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>	
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/SW Section 10, T09S R16E</b>	
<b>14. API NUMBER</b> <b>43-013-32045</b>	<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5668 GR</b>	<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>	<b>13. STATE</b> <b>UT</b>

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> <b>Injection Conversion</b>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a producing to an injection well on 9/21/01. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly 4067'. On 9/22/01 Mr. Dennis Ingram w/ State DOGM was notified of the intent to conduct a MIT on the casing. On 9/26/01 the casing was pressured to 1020 psi w/ no pressure loss charted in the 1/2 hour test. Mr. Dennis Ingram was there to witness the test. The well is shut in and waiting on permission to inject.

RECEIVED

OCT 01 2001

DIVISION OF  
OIL, GAS AND MINING

**18 I hereby certify that the foregoing is true and correct**

SIGNED Krishna Russell TITLE  
Krishna Russell

Production Clerk

DATE 9/28/01

cc: BLM

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

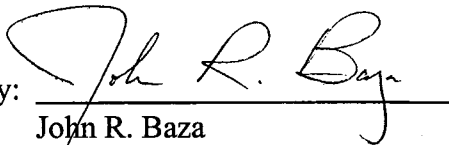
Cause No. 231-04

**Operator:** Inland Production Company  
**Well:** S. Wells Draw 11-10-9-16  
**Location:** Section 10, Township 9 South, Range 16 East, Duchesne County  
**API No.:** 43-013-32045  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 16, 2001.
2. Maximum Allowable Injection Pressure: 2272 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4150 feet - 5165 feet)

Approved by:

  
John R. Baza  
Associate Director

10/9/2001

Date

cc: Dan Jackson Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1806 FSL 1896 FWL NE/SW Section 10, T09S R16E**

5. Lease Designation and Serial No.

**UTU-72107**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**S. WELLS DRAW**

8. Well Name and No.

**S. WELLS DRAW 11-10-9-16**

9. API Well No.

**43-013-32045**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UT**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Report of first injection**

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The above referenced well was put on injection at 11:30 a.m. on 10/12/01.

**RECEIVED**

**OCT 15 2001**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

*Mandi Crozin*

Title

Permit Clerk

Date

10/12/01

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: \_\_\_\_\_  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Stewart*  
Title: *Perk. Services Manager*

Approval Date: 9-20-04Comments: Note: Indian Country wells will require EPA approval.RECEIVED  
SEP 20 2004  
DIV. OF OIL, GAS & MINING

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

**FROM: (Old Operator):**  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO: ( New Operator):**  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**CA No.****Unit:****SOUTH WELLS DRAW (GR)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
S WELLS DRAW 15-34-8-16	34	080S	160E	4301331670	13269	Federal	WI	A
CASTLE PEAK 1-3	03	090S	160E	4301330639	13269	Federal	WI	A
S WELLS DRAW 4-3-9-16	03	090S	160E	4301332096	13269	Federal	OW	P
BALCRON MON FED 14-4	04	090S	160E	4301331666	13269	Federal	WI	A
MON FED 13-4-9-16	04	090S	160E	4301331716	13269	Federal	OW	P
CASTLE PEAK 9R	05	090S	160E	4301315787	99998	Federal	NA	PA
MON FED 41-8-9-16	08	090S	160E	4301331619	13269	Federal	WI	A
MON FED 31-8-9-16	08	090S	160E	4301331721	13269	Federal	OW	P
FEDERAL 21-9Y	09	090S	160E	4301331396	13269	Federal	WI	A
MON FED 11-9-9-16	09	090S	160E	4301331618	13269	Federal	OW	P
S WELLS DRAW 9-9-9-16	09	090S	160E	4301332043	13269	Federal	WI	A
S WELLS DRAW 16-9-9-16	09	090S	160E	4301332044	13269	Federal	OW	P
CASTLE PK FED 24-10A	10	090S	160E	4301330555	13269	Federal	OW	P
MON FED 33-10-9-16	10	090S	160E	4301331722	13269	Federal	OW	P
MON FED 43-10-9-16	10	090S	160E	4301331723	13269	Federal	WI	A
S WELLS DRAW 2-10-9-16	10	090S	160E	4301331774	13269	Federal	OW	P
S WELLS DRAW 5-10-9-16	10	090S	160E	4301331811	13269	Federal	WI	A
S WELLS DRAW 6-10-9-16	10	090S	160E	4301332041	13269	Federal	OW	P
S WELLS DRAW 7-10-9-16	10	090S	160E	4301332042	13269	Federal	WI	A
S WELLS DRAW 11-10-9-16	10	090S	160E	4301332045	13269	Federal	WI	A
S WELLS DRAW 12-10-9-16	10	090S	160E	4301332046	13269	Federal	OW	P
S WELLS DRAW 13-10-9-16	10	090S	160E	4301332047	13269	Federal	OW	S

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005  
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72107
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 11-10-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1806 FSL 1896 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 10 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013320450000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/23/2011	OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:		
<input type="checkbox"/> DRILLING REPORT Report Date:		
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> On 08/22/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 08/23/2011 the casing was pressured up to 1400 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1800 psig during the test. There was a State representative available to witness the test - Dennis Ingram.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/25/2011	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: Dennis Ingram Date 8/23/11 Time 10:00 (am) pm  
Test Conducted by: Eric Park  
Others Present: DAVE ELWOOD

Well: <u>South Wells Draw Federal 11-10-9-16</u>	Field: <u>Mounce Butte</u>
Well Location: <u>NE/SW section 10 - T9S - R16E</u>	API No: <u>43-013-32045</u>

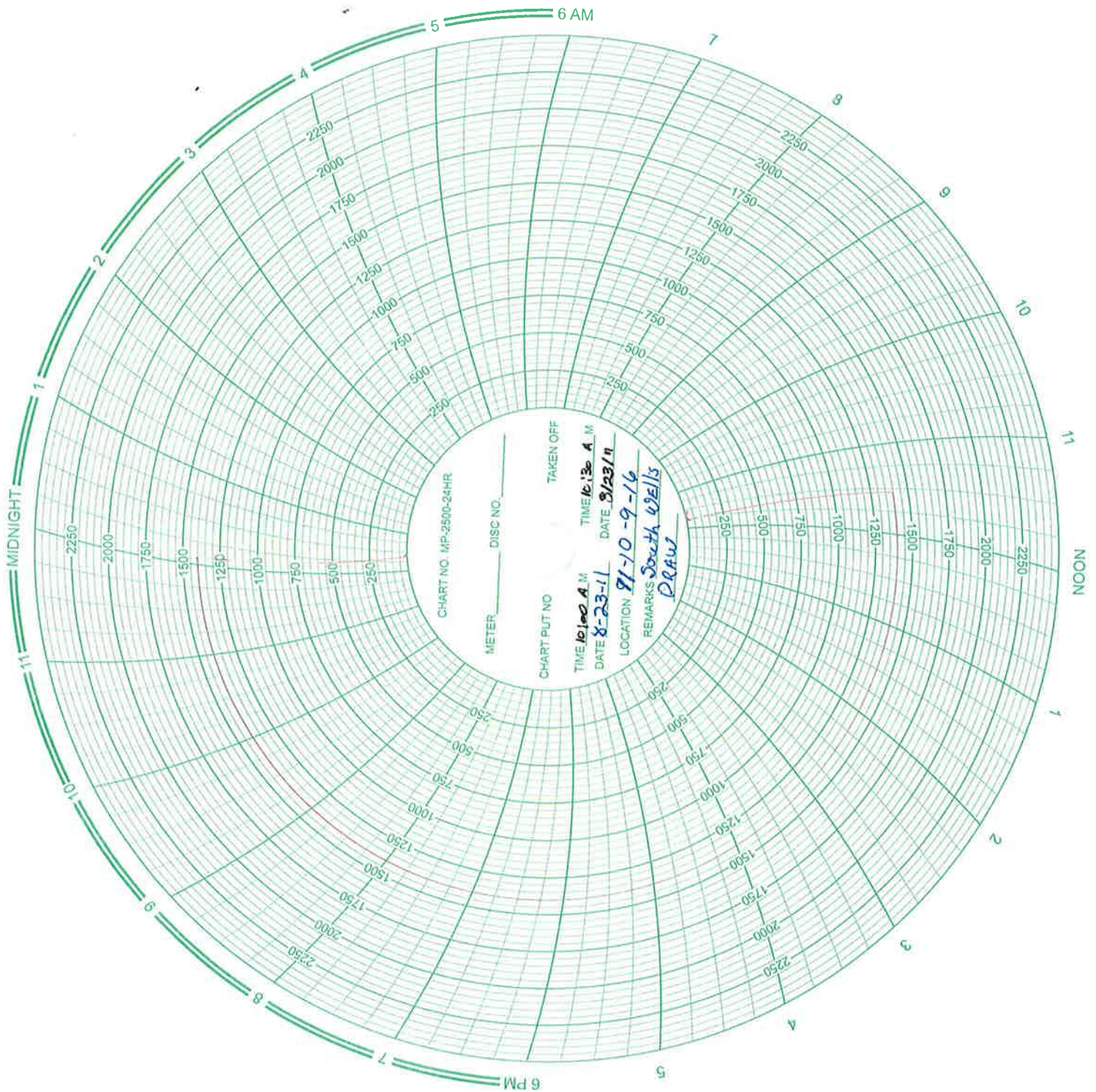
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1400</u>	psig
5	<u>1400</u>	psig
10	<u>1400</u>	psig
15	<u>1400</u>	psig
20	<u>1400</u>	psig
25	<u>1400</u>	psig
30 min	<u>1400</u>	psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1808 psig

Result: Pass Fail

Signature of Witness: Dennis Ingram

Signature of Person Conducting Test: Eric Park





Spud Date: 4/23/98  
 Put on Production: 6/3/98  
 GL: 5668' KB: 5680'

## South Wells Draw #11-10-9-16

Initial Production: 124 BOPD,  
 132 MCFPD, 11 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (293')  
 DEPTH LANDED: 293' (GL)  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 140 sxs Premium cmt, est 16 bbls cmt to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 135 jts. (5815')  
 DEPTH LANDED: 5825'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 440 sk Hibond mixed & 380 sxs thixotropic  
 CEMENT TOP AT: 1669' CBL

### TUBING

SIZE GRADE WT.: 2-7/8" 6.5# M-50 tbg.  
 NO. OF JOINTS: 130 jts. (4050.78')  
 SEATING NIPPLE: 4063.88'  
 TUBING PACKER: 4066.90'  
 TOTAL STRING LENGTH: EOT @ 4071.20'

### Injection

### Wellbore Diagram

Casing Shoe @ 293'

Cement Top @ 1669'

Packer @ 4066'

4150-4160' GB

4199-4218' GB

4673-4678' D

4831-4841' C

5127-5130' A

5147-5155' A

5159-5165' A

EOT @ 4071'  
 PBTD @ 5775'  
 TD @ 5850'

### FRAC JOB

5/21/98 5127'-5165'

**Frac A-1 & A-3 sands as follows:**  
 97,420# 20-40 sand in 494 bbls Viking I-25 fluid. Treated @ avg press of 2200 psi w avg rate of 28 bpm. ISIP: 3000 psi. Calc. flush: 5127 gal. Actual flush: 4998 gal.

5/26/98 4831'-4841'

**Frac C sand as follows:**  
 97,480# of 20-40 sand in 508 bbls Viking I-25 fluid. Treated @ avg press of 2100 psi w avg rate of 26 bpm. ISIP: 2350 psi. Calc. flush: 4831 gal. Actual flush: 4746 gal.

5/28/98 4673'-4678'

**Frac D-1 sand as follows:**  
 88,960# 20-40 sand in 476 bbls Viking I-25 fluid. Treated @ avg press of 2350 psi w avg rate of 24 bpm. ISIP: 2500 psi. Calc. flush: 4673 gal. Actual flush: 4662 gal.

5/30/98 4150'-4218'

**Frac GB-4 & GB-6 sands as follows:**  
 105,300# of 20-40 sand in 513 bbls Viking I-25 fluid. Treated @ avg press of 1900 psi w avg rate of 28 bpm. ISIP: 2300 psi. Calc. flush: 4150 gal. Actual flush: 4074 gal.

8/17/01

Pump change. Updated rod and tubing details.

9/21/01

Convert to injector.

### PERFORATION RECORD

5/20/98	5127'-5130'	4 JSPF	12 holes
5/20/98	5147'-5155'	4 JSPF	32 holes
5/20/98	5159'-5165'	4 JSPF	24 holes
5/22/98	4831'-4841'	4 JSPF	40 holes
5/27/98	4673'-4678'	4 JSPF	20 holes
5/29/98	4150'-4160'	4 JSPF	40 holes
5/29/98	4199'-4218'	4 JSPF	76 holes

**NEWFIELD**

South Wells Draw #11-10-9-16  
 1606' FSL & 1898' FWL  
 NESW Section 10-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-32045; Lease #UTU-72107

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-72107
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> S WELLS DRAW 11-10-9-16
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1806 FSL 1896 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 10 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013320450000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/21/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 07/18/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 07/21/2016 the casing was pressured up to 1205 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1646 psig during the test. There was a State representative available to witness the test - Mark Reinbold.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> July 26, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/25/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

**Newfield Production Company**

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 7/21/16 Time 10:08 am pmTest Conducted by: JOHNNY SLIMOthers Present: INAKI LARAWell: 11-10-9-16Field: GREATER MOVEMENT BUTTE  
V.N.T.

Well Location:

NE/SW SEC. 10 T4S R16E  
DICKENSE UTAHAPI No: 43-013-32045

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1205</u>	psig
5	<u>1205</u>	psig
10	<u>1205</u>	psig
15	<u>1205</u>	psig
20		psig
25		psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 1646 psigResult: Pass FailSignature of Witness: [Signature]Signature of Person Conducting Test: [Signature]

